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Locality Lists of
Land & freshwater Mollusca
found by
A. W. ~~Stelfox~~

Including records taken by other collectors
on the same excursions.

"Journal,"
Vol. II.

July 23rd 1909.

B.N.F.C. Annual Excursion.

Enniskillen, Co Fermanagh, July 9th 1909.

Aug. 17 1882

arion ater.

apris. apertis.

Vitrea cellaria. Like *V. libernica*

" *crystallina*

Helix rotundata

" *hispida*

" *rufescens*

" *aculeata*

" *pygmaea*

" *remoralis*

Cochlicopa lubrica

Cupa anglica

" *cylindracea*

Clavosilia fidentula

Linnæa peregr.

" *palustris*

" *stagnalis*

Physa fontinalis

Planorbis albus

" *carinatus*

113. All collected on bank
of River Liffey except
those at Lough Joan.

In moss in wood along shore of
Lough Joan.

Planorbis rotundus

" *contortus*

Bythinia tentaculata

Valvata pinnicincta

Sphaerium corneum

Pisidium pusillum

Lough Joan.

Lough Gallagh west of Carriskille
Co. Fermanagh. A.S. & F.B. B. 10th July 1909

Helix hispida
" *retardata*
" *renovata*
Pupa cylindracea
Limnaea peregrina
" *stagnalis*
Physa fontinalis
Planorbis contorta
" *carinata*
Valvata pinnata
Bythinia tentaculata
Sphaerium cornu
Pisidium pusillum
" *milium*

Glenannagh Bridge (River Liffey)
Co. Fermanagh. A.S. & F.B. B. 10th July 1909

Agriolimax agrestis
Vitrea cellaria Like *V. libernica*
~~*Lucinoides fustus*~~
Arion ater
" *subfuscus*
Helix retardata
" *rustica*
" *hispida*
" *renovata*
" *subfuscus*
Cochlicopa lubrica
Pupa cylindracea
Balea perversa
Clausilia bidentata
Acantholimax laticostatus Dead in River
Byth. tentaculata
Sphaerium cornu

North Shore of Lower Lough Macnean
Co. Fermanagh. aut & F.B.B. 10/17/09.

Agris. agrestis
Vitrea cellaria Like *V. hibernica*.
Euconulus fulvus
Zonitoides nitida
Helix rupestris
" *rufescens*
" *memoralis*
Cochlidopa lubrica
Clavilix bidentata
Pupa cylindracea
Vertigo antivertigo
Succinea Pfeifferi
Limnaea peregrina
" *palustris*
" *stagnalis*
Bythinia tentaculata
Sphaerium cornu

Blacklion, Co. Cavan,
aut & F.B.B. 10.7.09.

Agris. agrestis
Limnaea peregrina
Planorbis contorta
Succinea Pfeifferi
Valvata cristata
Sphaerium cornu

In drain along river.

Vitrea allioria
Helix rotundata
" *rufescens*
" *memoralis*

By cottage 1 mile west of Village.

Pupa cylindracea
Clavilix bidentata

Snileagh Mountain,
550-600 ft. alt. Co. Caran. Aust. 10.7.09.

Arion ater

" *intermedius*

" *fasciatus*

Agrio. agrestis.

Vitrea cellaria.

Vitrea lituraria, Kennard.

" *allionia*

As E. v. *Zonitoides* sp. (3. *ridgwayi* sp.).

" *radiatula*

G. B. S. 1913.

" *pura*.

" *nitidula*

" *crystallina*.

Helix rotundata.

" *rustica*.

" *lipida*.

Small high spired form.

" *renovata*.

Pupa anglica.

" *cylindracea*

Physa edentata

Vertigo antiverstis

" *substriata*

" *pygmaea*.

13. No *clavicularis* seen at all

Boecklinia lutea

Laccinea Pfeifferi

Linnæa palustris. a rather slender form common in peat
hills above 700 ft alt.

Pindia pusilla & *Vitt. L. palustris*.

" *cosentini* & *P. putchellii*?

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Glenade Mountain, 1400 ft. alt. Co. Leitrim.
Aust. 11.7.09.

Agrio. agrestis.

Arion subfuscus. almost black.

Vitrea allionia all type.

Laccinea fulva

Helix rustica

" *lipida*

Pupa cylindracea

All living on the outcrop of
rock which project above
the peat bog covering of
the mountain.

No shells opened in the small
tarn. Water very peaty &
deep. Few plants.

Glenade Mountain 1100ft alt. Co. Leitrim
 Aust. 11.7.09.

agris. agrestis

arion ater

" *suffusus*

Vitrea nitidula Var. *helmi*.

" *alliarum* Var. *viridula*.

" *pura*.

" *crystallina*

Cucumula fubra

Helix hispida

" *napostani*

" *memoralis*

Bochliopa labrica

Carychi min

Pupa cylindracea

Sphyrad edentata

all living on the great
 cliffs which overlook
 the Valley. Facing S.W.

Shore of Glenade Lough at outlet, Co. Leitrim.
 Aust. 11.7.09.

arion ater

Var. *albo-lateralis*.

" *suffusus*

agris. agrestis

" *laevi*

Linnaea artorum

Vitrea radiata

" *crystallina*

Carychi min

Pupa cylindracea

" *amphica*.

Vertigo antiovertio

Rare. One magnificently elongated specimen.

" *substriata*

Rare.

" *pygmaea*.

Large & fine.

" *elliptica*

Common.

Succinea Pfeifferi.

Linnaea puzos.

" *palustris*

" *truncatula*

Physa fontinalis

Anodonta lacustris

Spharix cornu

Pisidium pusillum

Collected J. B. Brown
 at 700 ft alt. NE
 of Glenade.
L. puzos (165)
Pis. caeruleum

Woods in Glengade, Co. Leitrim.
 Aust. 11.7.09

Linaea arborum.

agris. agrestis

arior ator

" *subfusus*

" *intermedius*

" *hortensis*

" *fasciatus*

Vitrea nitidula

" *cellaria*

" *alliarum*

" *pura.*

" *radiatula.*

" *crystallina*

Lucinula fulva.

Helix rotundata

" *rustica*

" *pygmaea.*

" *aculeata*

" *lamellata*

" *hipida*

" *memorabilis.*

Boellhausa latiuscula

V. hibernica near "Wooden Bridge".

Carychium minus

Pupa anglica

" *cylindracea*

Sphyradin edentata

Vertigo pygmaea.

Balea pumila.

Clavus bidentata

Shore of Lough Melvin near Larne
 Co. Fermanagh. Aust. 12.7.09.

Linnaea peregrina.

" *palustris.*

" *stagnalis.*

Angulus flavicollis.

Physa fontinalis.

Planorbis albus.

" *contorta*

" *corinata*

Bythinia tentaculata

Sphaerium cornu

Shore of Lough Agass 4 miles above
Killycloffer in Co. Fermanagh.
alt. 450 ft. aut. 12.7.09.

Helix nemoralis. A large number living in roadside
ledges. Many were small, heavy &
high spired & a few also had white
lips. Quite a number were of the
form rozezonata but the most
common was "(12)(345) littellata."

Helix hispida.

Coellicopa lubrica

Pupa cylindracea

Limnaea peregrina

" *truncatula* ?

Valvata piscinalis. A nice neat little form. High spire.

Pisidium ~~abundant~~

" sp. ?

N.B.

A large open shell somewhat resembling
*P. hibernicum**, West. In outlet of lake.

Since identified by B. B. Woodward as
Pisidium lilljeborgii, clearly & new
to the British Fauna.

* The "*P. hibernicum*" above referred to afterwards proved to be
P. lilljeborgii, misidentified as *P. hibernicum*,
presumably because they came from Lough
Nagarrish, Co. Kerry. C.W.S. 1912.

← *P. constantius* !
(M.K.)

in J. Conn. 27

(1969) : 57

Near Annaroe Abby, Ballyshannon. Donegal East.
A.W.S. 13.7.09.

Agrio. agrestis.

arion ater

" *subfuscus*. Very large specimens.

Vitrea cellaria. Several white specimens but all young.

Mr. H. L. Orr however took one very nice
full grown white specimen alive.

Helix rotundata.

" *rustrostris*.

" *livida*.

" *rufescens*.

" *aspersa*.

" *remorata*.

Lochlispa lubrica.

Pupa anglica.

" *cylindracea*.

Planorbis bifidus.

Lemna perena. Dead.

" *stagnalis*. Dead.

Valvata piscinalis. Dead.

Planorbis albus.

Bythinia tentaculata. Dead.

Planorbis

South Bank of River Erne above Ballyshannon.
Donegal East. A.W.S. 13.7.09

Agrio. agrestis.

arion ater.

" *subfuscus*.

Vitrea cellaria

Helix rustrostris

" *rotundata*

Planorbis bifidus

Planorbis bifidus

Pupa anglica

Lochlispa lubrica

L. lineatula

Laccina oblonga

" *pygmaea*

Planorbis bifidus

Planorbis

Planorbis

For open under stones in river bank.

collected by R. Welch at Malloghmore Co. Sligo
12.7.09.

Agrio. agrestis
anion atre

Vitrea allinea Type var. *viridula*.

" *nitidula*

Euconulus fulvus

Helix rotundata

" *remorali*

" *itala*

Common.

Glaucilia bidentata

Pupa cylindracea

Vertigo pygmaea

Succinea putris ??

Limnaea peregrina

" *truncatula*

Pisidium pusillum ? (169)

collected by F. Balfour Browne near Ballyshannon
Donegal East. 12.7.09.

L. pelusina

Succinea plicata

P. alba

" *carinata*

" *leucostoma*

" *contorta*

Shore south of Newcastle near Bloody Bridge

Co. Down. 0-30 ft alt.

A.W.S. + R.W. 25.7.09.

*Littorina arcuata**Agriolittorina agrestis**" laevis**Melampus pagurus**Arion ater**" subfuscus**" intermedius**Littorina alliarum*Type + var. *viridula*.*" radiatula*

all type.

" pura

all dead

*" crystallina**Eucomulus fulvus**Helix pygmaea**" rotundata**" hispida*

Rare.

*" nemoralis**Bochicopa lobata**Larynx nix**Balanus perforatus*

one young specimen only

No *clavipes*
seen.*Purpura anglica*

Fairly common along shore.

*" cylindracea**Vertigo pygmaea**" antiverugo**Polyspatha edentula**Anacharis flavicollis*a very small orbicular form with the
cap usually eroded lying right down
to a few feet over high tide mark.*Littorina peregrina*

In pool along road side.

*" truncatula**Pisidia ?*

Under stones in swampy place on shore.

(170)

Newcastle Golf Links near Hotel.

Co. Down. A.W.S. + R.W. 25.7.09.

*Helix acuta*Still surviving on coast next hotel
grounds. Fairly common.*" hispida*

Maritime form.

" nemoralis

No specimen "ooooo aurantia" Thin shell.

Orlock Pt, Co Down.

alt. 10ft.

A.W.S. 1.8.09.

*Agrio. agrestis.**arion ater.*Var. *plumbea.**Helix rotundata*" *hiopida*" *numoralis*" *acuta*" *asperosa.**Cochlicopa lubrica**Balea perversa* Common.Spec. & vars. *strigata* & *bifasciata.*

CLARE ISLAND SURVEY.

2nd instalment.

September Grip 1909.

Leiflip, Co. Kildare

A.W.S. & J.N.M. 3.9.09.

*Limax flavus.**Agrio. agrestis**arion ater*" *suffusus.**Vitrea crystallina*" *cellaria*" *schaffi*?" *alliana*" *fulva.**Helix rotundata*" *rupestris*" *saccharis* ? or *pulchella*?" *costata*" *itala*" *cuprata*" *vigata*" *acuta*" *numoralis*" *hortensis**Vitrea pullacida.*NB. all taken within
1/2 mile radius of
M.J. Weston Station.

Very large form.

Lentils continued.

Helix aspersa." *lispida*." *rufescens*.*Bohlius lubrica*.*Carychium* min.*Blasius fidentata*.*Vertigo pygmaea*.*Purpura aspersa* In marsh." *cylindracea*." *muscorum*. Common on edge of canal on viaduct.*Bulimus obscurus*. One dead in marsh below viaduct.*Succinea Pfeifferi*." *putris*.*Limnaea peregrina*.*Physa fontinalis*.*Planorbis albus* Dead." *carinata*.*Bythinia leachi* Very abundant in canal." *tentaculata*.*Valvata cristata*.*Sphaerium cornu*.

Lentils continued.

Pisidium nile.

"

(171)

Canal at Broadstone Station.

Dublin. A.W.S. & J.M. 3.7.09.

Pl. carinata.*Byth. tentaculata*." *leachi*.*Sphaerium cornu*.Old Scrub north of Mallaranny
Mago West. A.W.S. & J.M.

4.9.09

Limnaea maximus." *artorum*.*Agriol. agrestis*.*Arion ater*." *suffusus*." *hortensis*." *fasciata*." *intermedia*.Mallaranny
= Malbranny.

Mallaramy continued.

<i>Milax fagates</i>	at Station
" <i>sowerbyi</i>	at Station
<i>Vitrea pallucida</i>	at Station
<i>Vitrea cellaria</i>	at Station
" <i>allionia</i>	at Station
" <i>nitidula</i>	Var. <i>helmi</i> at station
" <i>radiatula</i>	at Station
" <i>pura</i>	at Station
" <i>crystallina</i>	at Station
" <i>fulva</i>	at Station
<i>Zon. excavata</i>	at Station
<i>Helix pygmaea</i>	at Station
" <i>rotundata</i>	at Station
" <i>refusca</i>	at Station
" <i>fusca</i>	at Station
" <i>capitata</i>	at Station
" <i>itala</i>	at Sand dunes (Hester & Collier)
" <i>aspera</i>	at Station
" <i>remoralis</i>	at Station
" <i>canellata</i>	at Station
<i>Gochlispa laticosta</i>	at Station
<i>Gastropoda</i>	at Station

Mallaramy continued.

<i>Blasidina tidentata</i>	at Station
<i>Balea perversa</i>	at Station
<i>Pupa anglica</i>	at Station
" <i>cylindrica</i>	at Station
<i>Sph. edentula</i>	at Station
<i>Vertigo pygmaea</i>	at Station
" <i>subtrita</i>	at Station
<i>Liaraea perversa</i>	at Station & also on Sand dunes. Var. <i>foissigi</i> .

Also in shallow drain
at Mallaramy station
with *L. perversa*,
Pisidium nitidum
P. perversa
P. milium 172 A

Pisidium ~~XXXXX~~

" *milium*

" *fulva*

" *nitidum*

Pisidium coarctatum
Id. B. B. Woodward

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Sand dunes at Curraun, Achill Sound.
Mago West. awb, fvc, cc. & jmm.

5.9.07

Milax fagates
Liaraea perversa
agris. agrestis
" *lasi.*

Linnæus continued.

Marion ater" *suffusum**Vitreola pallida**Vitreola cellaria*" *alliarum**V. liliifolia**Helix retardata*" *itala*" *capitata*" *excelsa**Helix aspersa**Helix nemoralis**Boeckhausa tubicola**Barychmina**Pupa amplia*" *cylindrica**Vertigo poppaea**Planorbis spiralis**Pisidium* ~~XXXXX~~*Pisidium**casertanum*
*pennsylvanicum*Id. B. B. Woodward
Pool near Village
with *P. spiralis*

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with *apertum*?

Achill Island (Dooagh & Keen areas)

Mago West, NW, SW, EC, & E. from

Arion ater

1,000 ft. alt.

6.9.09

Agrio. laevis

A violet form noted by Dr. Claster.

" *agrestis*Vars. *reticulata*, *brunnea* & *lilacina*.*Milax pagata*

One nearly black at 800 ft. alt.

Vitreola cellaria

Dooagh.

" *alliarum*

Shore of Lough Accormore. 550 ft. alt.

" *undulata*" *crystallina**Helix aspersa*

Dooagh. In stone walls.

Linnæa truncatula

Dooagh.

Pisidium sp.?

Lough Accormore.

Pisidium casertanum
lacustris form
Id. B. B. Woodward

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F 50

Lough Accormore, Achill Is.

550 ft. alt.

A.D. 6.9.09

Pisidium casertanum

Id. B. B. Woodward.

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Lough Corrymore, Achill Is. A.D. 6.9.09

Nothing. B. Both lakes very flooded.

Achill Island (Keel district) Mayo West.
aut, JWC, E.C., JNM. 8.9.09.

- Agrio. agrestis*
- " *laevis*.
- arion ater*.
- " *fasciatus*.
- Helix itala*.
- " *aspera*.
- " *acuta*
- bockhiopsis tubus*
- Luccinea Pfeifferi*
- Lima perper*
- " *auriculata*
- Planorbis cristata*
- " *glabra*
- Pind* ~~XXXX~~

Var. *boissyi* in Keel Lough
Var. *acuta* in Keel Lough.
Near Keel Lough in drain.

(175) Keel Lough

Achill Island (Valley & Bogport Areas)
Mayo West. aut, JWC, E.C. & JNM. 7.9.09.

- Lima maxim*
- " *arion*
- agrio. laevis*
- " *agrestis*
- arion ater*
- " *minim*
- " *fasciatus*
- Vitrea pellucida*
- Vitrea cellaria*
- " *albida*
- " *radiatula*
- " *cyrtellus*
- " *fulva*.
- Milax gapata*.
- " *sowerbyi*.
- Helix rufescens*
- " *neuralis*
- " *acuta*
- " *itala*
- " *aspera*
- " *rotundata*
- " *excentrica*

Var. *lilacina*

(See note to *V. pulchella* in vol. IV, p. 11.
G. H. S. 1924)

The Valley, Achill Island continued.

Boekliopsis lubrica
Barach nigrum
Purpura glauca
Vertigo pygmaea

afew very big species

Sp. edentula
Luccinea pfeifferi

Limnaea peregrina Loughs Doo & Gall.
 " *auricularis* Var *acuta* in Lough Doo
 " *truncatula*

Pisidium milium Ver. B. B. Woodward.
 " *nitida* Ver. B. B. Woodward.
 " *pachellum* }
 " *casertanum* } Id. B. B. Woodward
 " *personatum* }

Lough Gall, Achill Island.

Limnaea peregrina

Pisidium ~~*nitida*~~ *pachellum*, *P. casertanum*, *P. personatum* Id. B. B. Woodward.
 Lough Doo.

Limnaea peregrina

" *auricularis*
 " *truncatula*

+ *Pisidium nitida*, *P. parvicornis* Id. B. B. Woodward.

North East Coast of Clare Island between
Maun + Light House, Mayo West.

and, R.W., J.H.C., C.C., & J.M. 9.9.09.

Small with markings reduced to spots.

Limnaea arborum
Agriol. agrestis
 " *laevis*

Anom. ater

Type var. *brunnea*

" *fasciata*

Rare

" *suffusa*

On roadside below Light House.

Vitrea nitidula

Rare

" *allionia*

Var. *viridula*. a few type.

" *crystallina*

" *radiatula*

" *crystallina*

" *fulva*

Zonitoides nitida

Common in the deeper parts near the
N. Quay.

" *excavata*

Helix pygmaea

" *rotundata*

" *liripida*

" *itala*

" *neovialis*

Fairly abundant.

Boekliopsis lubrica

N.E. Coast of Clare Isl. continued.

Barzichia minima
Pupa anglica
 " *cylindracea*
Vertigo pygmaea
 " *substriata*
 " *antivertigo*
Blasidula bidentata
Succinea pfeifferi
Lima truncatula

Light House Pool

Lima peregina

Pisidium

casertanum

nitida, r. oval

gossioanum, r. oval

Id. B.B. Woodward

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Cliff on
Area No. 3.

Agrio. agrestis
 " *laevis*

Lima arborea

Arion minimus

Vitrea pellucida

Dead.

Vitrea nitidula

Type + var. *helvi*

" *allioria*

Var. *viridula* only.

" *radiatula*

Type + var. *viridula*.

North Slope of Knocknaree, Clare Isl.
 Mogo Bart. A.W.S., R.V., & J.M. 10.9.09.
 250 ft. alt.

Knocknaree Cliffs continued

Vitrea pura

Type + var. *nitidula*.

" *crystallina*

Helix rotundata

" *fusca*.

Greenish, light & dark brown forms.

" *aculeata*.

Young & white (G.W. Shuster)

" *memoralis*

Boecklisp. helvi

Barzichia minima

Blasidula bidentata

Balia purpurea

Pupa cylindracea

Vertigo

Aene lineata

Local, but all type.

Knocknaree Marsh, Clare Island.

100 ft. alt. A.W.S., J.M., R.V., & G.W.C.

9.9.09 + 10.9.09.

Planorbis spiralis

Pisidium subtruncatum

Var. B.B. Woodward. 9.9.09 only

" *gossioanum*

" " "

" *casertanum*

Id. B.B. Woodward.

" *perovratum*

" " " 10.9.09 only

(180)

Beggar Lough, Clare Island.
alt. 320 ft. Mayo West. Aust. G.W.C. & P.H.

Linnaea purpurea
Pisidium ~~puberulum~~
" ~~puberulum~~

Pisidium ~~costatum~~
obtusale
Id. B.S. B.S. Woodward.
(11.4.09)

10.9.09.

(181)

Planorbis cristata Fairly common on S.E. side of Lake.

South Coast between Ballymore & Abbey.
Clare Island, Mayo West. Aust. 10.9.09.

Agriol. laevis

" *agrestis*

Melampus sagittatus

Anisus ater

" *saffordianus*

Vitrea allianii

" *radiatula*

Helix rotundata

Planorbis spiralis

Linnaea purpurea

" *truncatula*

Pisidium milium

" *nitida*

" *costatum*

Ashtle for lake near Ballymore

Ver. B.S. B.S. Woodward.

Ver. " " " (Very oval & tumid)

Id. " " "

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Vertigo pygmaea

"Watch Tower" Clare Island. alt. 470 ft.

Mayo West. Aust. G.W.C., E.C., R.V. & J.N.M. 11.9.09

Agriol. agrestis

Linnaea artem

Anisus ater

" *minimus*

Vitrea allianii

" *crystallina*

" *pura*

Helix rotundata

Boecklinia tubicula

Blaschkeia bidentata

Vertigo pygmaea

" *substriata*

" *entirentis*

Pupa anglica

" *cybicides*

Luccinea

Linnaea truncatula

a dark banded form.
all var. *plumbea*.

Var. *viridula* + type.

Zonitoides excavatus

Anisus sagittatus } at least 1 found
" } B.S. June 1910

List of altitudes to which various species run
on South West slope of Knockmore. 11.9.09.

800ft. level.

Anagallis flaviventris

750ft. level.

Limnaea truncatula

Pisidium

183

700 ft. level.

Limnaea

arim

" subpallens

Vitrea alliarum

" nitidula

Helix rotundata

Boecklinia labrum

Planorbis nitidula

600 ft. alt.

Vertigo pygmaea, *V. substriata* & *V. antevirens*

Barzani

Purpura anglica

Zonitex

"Lough Naphouca"

"Sea Fall Pool" & West End, Clare Island.

Mayo West. a.w.s. & J.M. 11.9.09.

Balea peruviana

P. W.

Planorbis spiralis

Limnaea

" palustris

Anagallis flaviventris

Pisidium

" casertanum Id. B. B. Woodward.

P. subtruncatula
" casertanum
" personatum

10.4.09

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South Shoulder of Knockmore overlooking Lough.

Clare Island, Mayo West. a.w.s. 12.9.09. (No 1)

alt. 250ft.

Agriolimax

" laevis

arim

" fasciata

" intermedia

Vitrea radiatula

" pura

" albicoma

fulva

Zonitex

Lough Anallia 12.9.09
Limnaea *pygmaea*
Valvata *pygmaea*
Pisidium *casertanum*
The fine spec. of *Hydrobia ulmaria*
taken in fields behind sand-dune
near school. a.w.s. 12.9.09.

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Knocknacree continued.

Helix rotundata." *excentrica*.*bocklinia lubra*.*bayeri mini*.*Pupa anglica*." *cylindrica*.*Sph. edentata*.*Vertigo pygmaea*." *antivertigo*.*Lacuna*.*Lima truncatula*.

Sp. There are two boxes in Nat. coll. dated 12/9/09 both contain *V. excentrica* & one is labelled "Harbour" & the other "Kinmacorra". A.W.S. 1924.

Miscellaneous records by R. Welch.

Pupa anglica.

Nº. South Shore. Rare.

Helix lamellata.

"Praeger's Wood." near Maun.

Helix aspersa.

Nº. South Shore. Rare.

Vitrea nitidula.

Nº. South Shore.

Valvata pinnatifida.

outlet of L. Anallin.

Broaghmore Cliff, Clare Island.
alt. 400-600 ft. Mayo West. and.

12.9.09.

Lima truncatula.*agris. apertis*.*arion ater*." *subfusca*.*Vitrea nitidula*." *alluvina*." *radiatula*." *pura*." *crystall*." *fulva*.*Helix rotundata*.*bayeri mini*.*bock. lubra*.*Blasius bidentatus*.*Balea parvula*.*Vertigo subtruncata*.*Pupa anglica*." *cylindrica*.*Sph. edentata*.Var. *edentata* & type

Broaghmore Cliff, Clare Island
alt. 250-600 ft. Mayo West. A.W.S. 13.9.09.

- Agrio. agrestis*
- Anion ater*
- " *subfuscus*. a very dark form.
- " *intermedium* ?
- Vitrea pellucida*
- Vitrea nitidula*
- " *alliaris*
- " *pura*.
- " *radiatula*.
- " *crystallina*.
- " *fulva*.
- Helix rotundata*.
- " *pygmaea*.
- " *fusca*.
- Coch. labrica*
- Barzich. mini*
- Clausilia fidentata*
- Balea pumilio* No dead specimen
- Yortys edentata*
- " *subtrita*
- Pupa anglica*
- " *cylindrica*

Acme lineata. Type.
Linnaea truncatula.

Broaghmore continued
alt. 800-900 ft. A.W.S. 13.9.09.

- Agrio. agrestis*
- Anion ater*
- " *subfuscus*
- Vitrea nitidula*
- " *alliaris*
- " *pura*
- " *radiatula*
- " *crystallina*
- " *fulva*.
- Helix rotundata*
- " *pygmaea*
- " *fusca*
- " *lamellata*
- " *aculeata*
- Coch. labrica*
- Barzich. mini*
- Clausilia fidentata*
- Acme lineata*
- Pupa anglica*
- " *cylindrica*
- Linnaea truncatula*

On moss - *Hyprum capressiforme* - type only.

Very common. A form much resembling *Linnaea truncatula*.

Anion mini 1850-1910
~~not found~~
~~not found~~

The Abbey, Clare Island.
Mago West, AWS. 13.9.09.

Limeo orbis.
Agrio. apertis.
Milax. gayotis.
Arion ater

Spotted form.

" *intermedius*.
Vitrea cellaria.
" *cyathellus*

Brownish form. Only place seen on island.

Clare Isd Land Shell Deposit

H. ericetorum
H. pulchella.
C. lubrica.

Helix aspersa.

Shell-deposit under marsh at Doonaghly 15/9/09

H. ericetorum
C. lubrica.

" *livida*

L. peregra
L. truncatula.

Bucca fusca
Flasidia pidentata
Purpa cylindracea

M.W.S.
from R. Velock

Roonah Sand Dune & Lakes
near Louisburgh, Mago West.
AWS, R.W., J.W.C., E.C., & J.M.M. 14.9.09

Agrio. apertis
" *laevis*

Arion ater
" *suffusus*.
" *intermedius*.

Milax. ~~gayotis~~

One very young specimen near Carroniskry School. 15.9.09.

Vitrea pellucida
Vitrea alliaris
" *radiatula*

" *fulva*.
Zon. nitida
Helix pulchella.

" *itala*
" *livida*
" *rotundata*

R.W.
Carroniskry School. 15.9.09.

Bucc. lubrica
Barzichi minis
Purpa cylindracea

Vestys pygmaea
" *antivestys*

The Abbey, Clare Island.
Mago West, AWS. 13.9.09.

Limeo orbis.

Spotted form.

Agrio. apertis

Milax fagatæ.

Arion ater

" *intermedius*

Vitrea cellaria

all specimens a creamy white colour.

" *cyathellus*

Helix aspersa.

With a peculiar crumpled appearance
evidently owing to continual tramping
over stones under which they rest.

" *hiopida*

a dark form quite unlike that found
in other parts of the island.

Balea perversa

on walls of cave (inside)

Flasileo pidentatus

Pupa cylindracea

Roonah Sand Dunes & Lakes
near Louisburgh, Mago West.
AWS, RW, SWC, E.C., & J.M. 14.9.09

Agrio. apertis

" *laevis*

Arion ater

" *suffusus*

" *intermedius*

Milax ~~fagatæ~~

Vitrea pellucida

Vitrea alliaris

" *radiata*

" *fulva*

Zon. nitidus

Helix pulchella

" *itala*

" *hiopida*

" *retundata*

Boch. lubrica

Barzchi minor

Pupa cylindracea

Vestys pignus

" *antivestys*

One very young specimen near Carronisk School.
15.9.09.

R.D.

Carronisk School. 15.9.09.

Roosah continued.

Succinea pfeifferi
Aplecta hypnorum
Lemna pueyeri

also in Carrowiskey River. 15.9.09.

" *auricularia* Var. *acuta*. Very common in Lough Bawn.

" *stagnalis*

" *palustris*

" *truncatula*

Planorbis albus

Common.

" *glaber*

Rare. At inlet of Lough Bawn. Common dead.

" *crista*.

" *contorta*

" *spirorbis*

Valvata cristata

" *piscinalis*

Byth. tentaculata

Paludetana jacksoni

In small "saltish" lake near Lough Bawn with
L. pueyeri, *Valvata piscinalis* + *Pisidium nitidum*

Pisidium nitidum

Var. B.B.V. Roosah L. (inlet)

" *caerulans*

H.B.B.W. L. Bawn. L. Roosah (inlet).

" *subtruncatulum*

Var. B.B.V. Roosah L. (inlet)

" *pulchella*

H.B.B.W. "Salt Lough" + L. Bawn.

" *nitidum*

Aneples flavicollis - Carrowiskey River 15.9.09

P. Roosah (186)
 L. Bawn (187)
 "Salt Lough" (188)

P. pueyeri
 H.B.B.W.
 Roosah L. (inlet)
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Dooaghry Sand Dune, Muckree, Mayo West.
 ASD, R.H., G.W.C., E.C., J.M. 15.9.09.

Agriol. agrestis

" *lari*

Ling. orbicula

Arion ater

" *sulphureus*

" *intermedius*

Vitrea alliana

Type + Var. *viridula* & several white specimens.

" *nitidula*

" *pura*

" *radiatula*

" *crystallina*

" *fulva*

Zon. nitida

" *excavata*

Rare. (J.W. Chester).

Helix papyrea

" *rotundata*

" *excusata*

Correct. G.W.S. 1924. Also *pulchella* taken on same day. G.W.S. 1924.

" *lamellata*

" *aculeata*

One spec. without spines.

" *senarioli*

" *asperna*

" *itala*

Dooaghty continued.

boch. lubrica
 barychi mini
 Puppa anglica
 " cylindrica.
 Clausilia fidentata.

Balea perrusa.

Sph. edentula

Vestigo pygmaea

" substriata

" angustior

" antiverstigo

"

Succinea pfeifferi

" oblonga

Lima peregrina

" auricularia

" stagnalis

" palustris

" truncatula

Physa fontinalis

Aene lineata

Common under stones & in moss -

Hydra ulmaria

= *S. ulmaria*! A.W.S. 1951.

Extremely abundant, but mostly young.

Var. acuta

a slender form.

In moss in woods. Type only.

Dooaghty continued.

Planorbis albus

" glabra

" cristata

Valvata piscinalis

Sphaerium cornu

Pisidium ~~pallidum~~

"

" casertanum

Id. B.B.W.
 Pisidium ~~substriatum~~
 casertanum
 orthus
 gossypium
 personatum
 Id. B.B.W.
 In marsh near Dooaghty L.
 26.3.1910.

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In outlet of Dooaghty lake.

M'Dermott's Hotel Garden, Loughborough
 Mayo West. A.W.S. & R.W. 18.9.1910.

Brownish form.

Young.

Agriol. apertus

Milax japonica

Arion ater

" hortensis

" intermedius

Vitrea cellaria

Helix rotundata

Very large = V. Falschii.

Collected in Old Head Wood by
M. Ardle. Near Loughryh. 15.9.09.

Vitrea alliarum

" *pura*

" *nitidula*

Helix rotundata

" *lispida*

a white specimen.

Flavicilia plicatula

Balea pumosa.

Near Marwick on shore. Mayo West
and, GWC, EC, & JMM. 16.9.09

Agrius agrestis

Milax sagax

Arion ater

" *subfuscus*

" *mini*

Vitrea cellaria

" *albicans*

" *nitidula*

" *rotundata*

" *pura*

" *fulva*.

Marwick continued

Helix pumosa

C. Collier.

" *rotundata*

" *rupestris*

" *lispida*

" *venusta*

" *aspera*

boch. lutea

larychi mini

Pupa cylindrica

Vertigo pumosa

" *subtrita*

" *antivertigo*

Flavicilia plicatula

Anagla flavicilia

Paludicola stygialis

In small stream

on shore.

Murex plicatus

Hydrobia splendens

" *cuspidata*

Murex undulatus

Near Westport Station, Mayo West
 awl. Rh. & fwc. 16.9.09.

Cyris apertis.

Vitrea cellaria

Helix rotundata

" *neurobi*

" *lispida*

" *rufescens*

" *itala*

" *subpustulata*

both. labrica

laryx

Pupa anglica

" *cylindrica*

Flavichia fidentata

Bolea perovna The dead.

Westport continued

Succinea putres

Lin. peregr.

Planorbis altern.

" *spirorbis*

Byth. tentaculata

Glypt. cornu

Anodonta cygnea.

Shore of Lough Mellard, Castletar
Mago West. awb., E.C., G.W.C., & J.M.M.
16.9.09.

agris. laevis
arion ater
Vitreus cellarius
Helix pygmaea
" rotundata
" rufescens
" hispida
" rufescens
" nemoralis
boch. lubrica
barych. min.
Pupa cylindracea
Vertigo antistigma
" pygmaea
Lacuna Pfeifferi
Lima puzos.
Planorbis altern.
" costata
Sphaerium cornu
Byth. tentaculata

North Shore of Castletar Lough, Mago West
awb., G.W.C., E.C., & J.M.M. 16.9.09.

agris. apertus
Lima maxim.
arion ater
" min.
Vitreus cellarius
" nitidula
" crystallina
" fulva

Zon. nitida
Helix pygmaea
" rotundata
" rufescens
" itala
" hispida
" rufescens
" nemoralis
" corporata
boch. lubrica
Planorbis pidentata
Lacuna Pfeifferi

Bastetor Lough continued.

Vertigo pygmaea
 " *antivertigo*
Pupa cylindrica
 " *anglica*
Limnaea peregrina
 " *stagnalis*
 " *auricularia*
 " *truncatula*
Physa fontinalis
Angitia fluvialis
Planorbis alpinus
 " *fontanus* a few extra large
 " *crista*
 " *contorta*
Valvata piscinalis
Meristina fluvialis
Byth. tentaculata
Spha. cornu
Pisidium nilei
 " *punctatum*

addition to above list for
 Shore of Lakeen Lough
 by J.W.C. & E.C. 17.9.09

Vitrea radiatula

Helix ~~contorta~~

= *pulex* ! A.W.S. 1924.
 1 specimen in coll. A.W.S.!

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Canal bank at Mullingar, Co. Westmeath.
 Aug & J.W.C. 17.9.09.

Agriol. laevi

" *aperta*

Anis. ater

" *foveolata*

Vitrea cellaria

V. liturata. Some enormously large dead shells.

" *nitidula*

" *crystallina*

" *fulva*

Im. nitida

Helix rotundata

" *rusticata*

" *rufescens*

" *hipida*

" *hortensis*

" *corporea*

Var. *lutea* with black animal. one type.

Boch. lubrica

Barz. minima

Pupa cylindrica

Vertigo antivertigo

Luccina

Physa fontinalis

Mullingor continued

Limnaea peregrina" *stagnalis*" *palustris*" *truncatula**Amphipepla glutinosa*

J.M. Milne.

Planorbis albus" *carinatus*" *vortex*" *fontanus*" *contortus**Valvata cristata**Byth. tentaculata**Sph. cornu**Procladius*" *phallosus*

(191)

Progers farm, Rathfriland, Co. Dubl.

and J.M. 17.9.09

*Agriol. agrestis**Mel. roseni**Arion hortensis*" *ater* + var. *humilis*

M. J. J. (R.H.)

*Vitrea lucida**Helix rufescens*North of Boyne at Mornington, Co. Meath.
and J.M. 18.9.09.*Agriol. agrestis**Arion ater**Vitrea pellucida**Vitrea cellaria**Helix rotundata*" *rustica*" *pusilla*" *virgata*" *acuta*" *remouli*" *aspera*" *rufescens*" *livida**Coch. lubrica**Carp. muscorum**Paludotus stagnalis**Helix succinea*End of Sept. Trip
1909

Chalk quarries between Moira & Magheralin
Co. Down. A.W. & R.W. 7.10.09.

Agriol. agrestis

am. ater

" *subfuscus*

" *hortensis*

" *fasciatus*

Vitrea cellaria

Vitrea litorea form.

" *nitidula*

" *crystallina*

Cucumula fulva

Helix pygmaea

" *rotundata*

" *lipida*

" *reflexa*

" *remoralis*

" *asperna*

bock. tubicula

Planorbis plicatula

Succinea patris

Planorbis

Physa fontinalis

Sphaerium cornu

Canal at Moira station

Co. Down side. A.W. & R.W. 7.10.09.

Helix rotundata

Limnaea peregrina

" *auricularis*

Dead in dried up ditch near road. Mostly
Var. *acuta*.

Physa fontinalis

Planorbis carinata

" *costata*

" *alba*

Valvata piscinalis

Gytha tentaculata

Sphaerium cornu

Anodonta gynea

Pisidium amnicum

Dead with *L. auricularis*

(192.)

Banks of Ulster Canal S-U of Monaghan
Co. Monaghan.

aws, R.V. & F.B.B. 12-10-09.

Agrius agrestis

" *laevis*

Leiris artemis

" *flavus*

R.V.

Meloe fagatus

R.V.

" *sovietzi*

Very dark specimen. R.V.

Arion ater

" *suffusus*

" *hortensis*

" *intermedius*

" *fuscatus*

Vitrea pellucida

Vitrea cellaria

" *nitidula*

" *allionii*

R.V.

" *radiatula*

" *pura*

Rose

" *crystallina*

" *fulva*

Zon. nitida

Monaghan continued

Helix rotundata

" *lipida*

" *reflexa*

Only seen near the town.

" *aculeata*

" *saccharina* ✓ Correct! A.U.S. 1924.

" *remoralis*

" *pygmaea*

Boch. lubrica

baezhi minor

Pupa glaucocephala

blanchardi fidentata

Vertigo pygmaea

" *antivertigo*

" *substriata*

Spl. edentula

Var. *columella*? Very fine specimen.

Eucina pfeifferi

Linnaea peregrina

" *palustris*

" *stephani*

" *turcata*

Physa fontinalis

Monaghan continued.

Planorbis carinata" *altus**Valvata cristata*" *piscinalis**Byth. tentaculata**Sph. cornua**Pisidium pusillum*" *fasciolarum*" *officinale*" *subtruncata*

Verified by J.W. Taylor, Jan. 1910 & G.H.S. 1924.
 [Probably from Lakelet S. of Town of Monaghan!]
 [In quarry on Squire's Hill, 800 ft. alt., Belfast. AN. 6-11-09
Lim. truncatula, *Pisidium casertanum* & *P. personatum*.] 194

Cumalin & shore of Lough Neagh at Lennagore Bay
 Co. Antrim. AWS + R.W. 26.12.09.

48-75 ft. alt.

Limox. arborum" *maximus**agris. agrestis*" *lævis**arion ater*" *suffusa*" *fasciata*" *intermedia*

Bythia tentaculata
Pisidium pusillum
 "

Shore of L. Neagh cont.

*Vitrea pellucida**Hyalina crystallina*" *nitidula*" *alliaris*" *pura**Zon. nitidus**Lucinella fulva**Helix pygmaea*" *retundata*" *hispidula*" *neorali*" *pulexella**Arch. lubrica**Clausilia bidentata**Balea pumila**Succinea Pfeifferi**Limnaea puzosii*" *palustris**Planorbis carinata*" *umbilicata**Valvata cristata*" *piscinalis**Pisidium*

Some very fine specimens. Yellowish form.

only one spec. of var.

only one spec.

one dead spec.

Rare.

2 spec.

Very highly spotted shells.

Dead only.

one dead in wood on lake shore.

Very dark in colour (some)

[also *Vertigo pygmaea*]

one dead on lake shore - *ujestementa*.

Common up the alder trees along lake shore.

High spired form common in drain.

Very abundant with *L. puzosii*.

In drain with next species but separate.

Common than the last, all young.

Very abundant in drains.

195

Goll, Mid Ebudes. Scotland.

Collected by F. Balfour Browne. 21.8.09

Zon. nictitans

Helicella italica

Helicella

Helicella nemoralis

Limon pergeri

Planorbis lanceolatus. Same as my form from the Orkneys.

Patula pinnata

Patula

(196)

Season 1910.

Botanical Garden, Glasnevin. Co. Dublin.

ans. R.A.B. & R.W. 20.2.10.

Agrio. levis. ?

all specimens taken were of the rather dark "purple-slate" colour - a form which has appeared in several hot-houses & nurseries & evidently - foreign.

Limon flavum

Arion hortensis

" *fuscus*

Hyalina lucida

Very common in hot (orchid) house with *Patula florida*. Large & flat & evidently a "southern" form introduced.

" *crystallina*

Helicodiscus lineatus. a few (R.A.B.)

Pyramidalis rotundata

Patula florida. Identified by R. Stander as this species.

Hygromia rapae

Coch. lubrica

Angitia mini

Blanchia lidentata

Glasnevin continued.

- Limnaea pumila* Pond.
 " *auricularia* Lily Tank.
 " *stagnalis* " "
 " sp. ? A small species living on the outside of the
 pots in the Palm House, which is perhaps
 a foreign form of *L. truncatula*.

Physa

- Valvata cristata* Pond.
 " *pinnatifida* "
Byth. tentaculata "
Planorbis mobilis "
 " *fontana* "
 " *glabra* Taken by R. A. Phillip in small stream
 next pond in 1909.

Carraig Glas,
 River in Carrig Glas, Carrig Hill
 Co. Antrim. alt. 5-3-10.

Angulus flavicollis. When road crosses stream by ford.

Chalk Quarries on Carrig Hill, Co. Antrim.

alt. 5-3-10.

- Agriol. agrestis*
Limnaea marginata Very young spec.
Anom. ater
 " *subfusca*
 " *pinnatifida*
Hyalina cellaria V. *littoralis*, Kennard.
 " *albicollis* D.
 " *nitidula*
 " *pura* Very fine specimen.
 " *crystallina*
 " *fulva*
Helix rotundata
 " *aculeata*
 " *rennaldi*
 " *lipida*
Coch. lubrica
Pupa cylindrica
Planorbis lenticularis
Era stercoraria
Barbatulus

Collected by roadside from Larne to Sallagh Brae
along old road. G. Antrim.

a.w.s. + R.W. 13.3.10.

alt.

Agrio. agrestis
arion ater
" *suffusus*
" *hortensis*
" *foveolatus*
Limax arborum
Vitrina pellucida
Hyalina cellaria
" *nitidula*
" *para*
" *crystallina*
Helix pygmaea
" *rotundata*
" *hispida*
" *palechella*
" *nummulus*
" *asperna*
Corb. lubrica
Carychi min.
Pupa cylindrica

Planorbis pidentata
Balea pumila
Limnaea puzosii
Pisidium

"

Lough Shee, Sallagh Brae, G. Antrim.
alt. 1100 ft. Baralt + Peat.

a.w.s. 13.3.10.

Agrio. agrestis
arion suffusus
Hyalina radiatula
Limnaea puzosii

a very large + acuminate form. No
dead shells seen.

" *palustris*
Pisidium ~~*pumila*~~ *pusillum*
" *subtruncatum*
" *nitidum*

} Identified by B.B. Woodward.

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N.B. No shells seen in smaller lake. a.w.s.

Sallagh Brass, Co. Antrim

alt. 500 - 600 ft. Basalt over chalk.

and + R. W. 13. 3. 10.

*agris. agrestis.**arim. ater**" subpurpurea**" intermedia**" fasciata**Vitrea pallucla**Hyalina crystallina**" cellaria**" alliaris* Var.*" nitidula**" radiata* Type + var.*" para**" fulva.**Helix rotundata**" rupestris*on chalk cliff near southern end of
the amphitheatre.*" hispida**" fusca.**" lamellata* (R. W.)*" nemoralis.**Pupa cylindrica**Coch. tuberosa**Clausilia pidentata**Sphragid. edentata**Limnaea**Pisidia pusilla**Luccinea Pfeifferi* One young spec. near source of Larn Water Supply.Collected in moss near Longford by S. M. Cameron
per. Mr. H. Foster. 4. 3. 10.*Vitrea pallucla.**Hyalina crystallina.**Helix rotundata.**" pulchella.*

Near Cammooey, Co. Antrim. alt.

aut. 12.3.10.

Arim ater
 " *suffusum*
 " *fasciatum*
Agris. agrati
Vitruia pellucida
Hyalina nitidula
 " *pura*.
 " *crystallina*.
Helix rotundata

Young

Associated on bank facing S.E.
 with Ivy, Wood Sorrel, Bramble
 Rose & Thorn.

also.

Pupa cylindrica
Helix nemoralis dead.

Small glen above Hillhall glen, near Drumto.

Co. Down.

alt.

aut. 20.3.10

Near ruined house.

Agris. agrati
Arim suffusum
Vitruia pellucida
Hyalina pura
 " *cellaria*
Helix rotundata
 " *lirpida*
Pupa cylindrica

In woody glen.

Agris. agrati
Arim fasciatum
Hyalina pura
 " *crystallina*

" *fabra*.

Helix lirpida
 " *rotundata*

Phrygan. edentula.

Clausilia fidentata.

Pupa anglica.

" *cylindrica*

Easter Trip 1910.

In Canal at Broadstone Station. Co. Dublin.

A.S. + F.B.B. 23.3.10.

Limnaea purpur
Physa fontinalis
Planorbis carinatus
Bythinia leachii
 " *tentaculata*.
Sphaerium cornu.

River at Robinstown, near Mullingar

Co. Westmeath. alt.

A.S. 23.3.10

agris agrestis
anem ater
 " *sutpura*
Hyalina nitidula D.
Helix aspersa D.
 " *hirpida*
 " *refusa*
Pupa cythraea
Coch. lubrica D.

Meristina flavicollis D.
anem flavicollis D.
Planorbis annulus D.
 " *199*
Sphaerium cornu.

McEneaney's Lough (near Lough Drin)
 Mullingar, Co. Westmeath. alt.

A.S. 23.3.10.

agris agrestis
anem ater
 " *sutpura*
Hyalina nitidula
 " *fulva*
Helix hirpida
 " *rotundata*

Succinea Pfeifferi
Planorbis contorta
Valvata cristata
Sphaerium cornu.
Planorbis

"

19

Royal Canal near Station, Mullingar, Co. Westmeath.
 alt.

F. Balfour Brown. 23.3.10.

Limnaea palustris
 " *stagnalis*
amphi. glutinosa
Physa fontinalis
Planorbis rotax
 " *carinata*
 " *contorta*.
Bythinia tentaculata
Sph. cornu.

Marsh near Mullingar
Co. Westmeath. alt.

Aug. 23.3.10.

In ^{min. of} ~~clay~~
Agris. apertus
Limos. artem.
Arim. at.
" rufus.
Hyalina cellaria
" nitidula
Helix rotundata
" hispida
" hortensis
" neovalis.
" aspersa.
Coch. lubrica.
Pupa cylindrica

In marsh + drain.

Agris. apertus
Hyalina radiatula
Helix hispida
" aspersa
Coch. lubrica.

Limosa purpurea
" stagnalis
" palustris
Physa fontinalis
Planorbis carinata
" umbilicata
" contorta
Bythinia tentaculata
Cicid.
"

199A

In old wood near Lough Derrin
alt. Co. Westmeath. Aug. 23.3.10

Limos. artem.
Agris. apertus.
Arim. at.
" rufus.
" hortensis
" fasciata
Hlx. neovalis

Hyalina nitidula
" pura
" radiatula
" fulva
Coch. lubrica
Limos. palustris.

Lough Derr near Mullingar
Co. Westmeath. alt. Aust. 23.3.10

Limnaea puzosii
" *palustris*
" *stagnalis*
Amph. glutinosa
Valvata cristata
" *pinnatifida*
Succinea pfeifferi
Planorbis contorta
Bythinia tentaculata
Sphaerium cornu
Pisidium globulosa?

In drains.

Mostly dead shells

This shell was first discovered here by
D. Schaff & described by ~~W. Schaff~~^{B. Schaff}
as his *P. globulosa* (Clemens) 18

See I.N. Vol. I.

B.B. Woodward, June 1910, says that Schaff's
specimens are *P. personatum* but that mine
are young *P. liljeboyi*.

" *pusillum* Identified by B.B. W.

CLARE ISLAND SURVEY⁸¹

3rd VISIT.

Between Westport + Killybeggan West Mayo
Carb. Limestone. alt. Aust. 24.3.10.

Agriol. agrestis
Arion ater
" *intermedius*
" *hortensis*
" *fasciatus*
Vitrina pellucida ♂
Hydrobia cellaria
" *alluvina*
" *nitidula*
" *radiatula*
" *pumila*?
" *falsa*
Helix rupestris
" *rotundata*
" *hispidula*
" *reflexa*
" *nemorata*
" *aspera*
" *cooperata*
" *itala*

Near Bath Hotel, Westport Quay.

Westport continued.

boch. lubrica
Clausilia bidentata
Bolca purpurea
Pupa cylindrica

old church & grave yard
 brook Patrick metamorphic area. alt.
 awl. 24.3.10.

Aprio. apertus.

Shells in box labelled

"Graveyard Westport 24.3.10" were as follows:

<i>Helix nemoralis</i>	<i>lutea</i> 00300 (one) and <i>lutea</i> 12345 (one).
<i>Hygromia strobilata</i>	16 specs.
<i>Helicella itala</i>	Two.
<i>H. caespitosa</i>	One.
<i>Oxychilus cellarius</i>	One dead and broken shell.
<i>Retinella nitidula</i>	One.
<i>Lauria cylindracea</i>	Two.
<i>Acanthinula aculeata</i>	One.
<i>Clausilia bidentata</i>	Two.

(Above entry made by N.F. McMillan Dec. 23rd. 1960).

Killadangan Marsh near Murrisk

alt. awl. 24.3.10

Quarry - limestone at Murrisk. W. Mayo.
 alt. awl. 24.3.10.

Arion ater
Milax gagates
Hyalina cellaria
Limonium purpureum

Killadangan old woods, near Marvick
West Mayo. alt. 25-50 ft. a.w.s. 24.3.10

Agrio. agrestis
Hyalina radiata

" *pura*
" *fulva*

Zon. excavatus *Var. retrina*

Helix rotundata

" *lamellata*

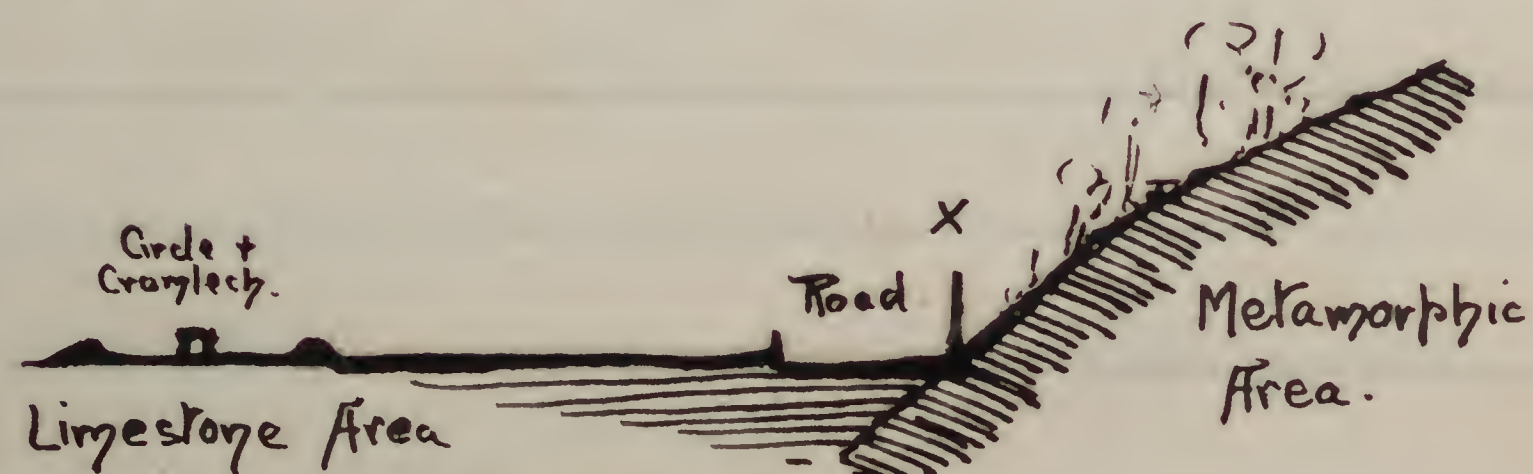
"

" *remoralis*

Coch. lubrica

Acme lineata

old scrub lying on the base
of the Metamorphic area
on opp. side of road to
Cromlech



The high wall X is of limestone
with *Ceterach* off. & *Helix rupestris*
but 20 yards up the hillside
you get a full fauna, characteristic
of the old wood on the metamorphic
area with *Zon. excavatus* var.

Old Head Marsh near Louisburgh
West Mayo. alt. 50-100 ft. a.w.s. 24.3.10.

Limnaea purpur.

" *palustris*

Planorbis spiralis = *P. leucostoma*.

Pisidium caeretanum Id. B.B. Woodward near Killadangan

" *gossuicium*

" *nitida*

"

"

"

"

Old Hd. Marsh

See
page
83

Sand dune + "limestone area" at
Old Head Quay. West Mayo.
alt. 0-25 ft. a.w.s. 24.3.10.

on wall at old gate
with *H. rupestris*.

"

"

"

Hyalina cellaria

Agrio. agrestis

Helix rupestris

" *costata*

" *rupestris*

" *asperna*

" *itala*

Pupa cylindracea

Clausilia filicicola

Bolea perversa

Wood at Old Head West Mayo

alt. 25-100 ft.

aut. 24 + 27. 3. 10.

Limax maximus" *arborum**Agriolimax agrestis**Arion ater*" *subfuscus*" *hortensis*" *fasciatus**Littrina pellucida**Hydrobia cellaria*" *nitidula*" *pura*" *radialis*" *pulchra*" *crystallina**Helix rotundata*" *hispida*" *lamellata*" *memoralis**Coch. lubrica**Carych. min.**Purpura anglica*" *cylindracea**Sph. edentula**Vertigo antenarum**Clavella bidentata**Boleophthalmus**Succinea putris*Under stones (dead) at base of wall in
marsh above harbour.

Glenkeen Bridge above Lough, West Mayo
alt 200 ft. AWS. 25.3.10.

agris. agrestis

" *laevis*

arion ater

" *suffusus*

Hyalina crystallina

" *pura*

" *radiatula*

Pupa cylindracea

River Owenmore at
head of Shalough Pass.

Muirlea Mountain above Glencullen
West Mayo. AWS. 25.3.10
Fibrous Area.

arion ater

alt. 450.

agris. agrestis

" "

Pupa anglica

" 600.

Limnaea palustris

" 850 to 1125.

Pisidium

" "

" *persimatum*
H.B.B.U.

" 1475.

In "Horseshoe Lough" not
marked on 1" ord. map.

Anagrus flaviventris

Up to about 450 ft. alt. Small.

Also *Hyalina alluvialis*
radiatula
crystallina

205

204

= *Sphaerium* *P. persimatum* B.B.U.

Glencullen Lough. West Mayo.

alt.

AWS. 25.3.10.

Limnaea peregrina

of a lacustrine form + dark brown colour.

Sand dune at Lough, West Mayo.
alt. 0-50 ft. AWS. 25.3.10.

agris. agrestis

Milax pagoda

arion ater

" *fuscatus*

Hyalina cellaria

" *crystallina*

" *pura*

Helix retundata

" *lucida*

" *remota*

" *aspinosa*

" *itala*

" *cuperata*

Pupa cylindracea

Cheratia bidentata

Coch. lubrica

Vertigo pygmaea?

Limnaea peregrina F.B.B.
in drain.

Dooaghty Sand dune + Lake. West Mayo.
alt. 0-75 ft. alt. 26-3-10.

Limax arboreus. Very like a young *L. maximus*.

Agriol. agrestis.

" *laevis*.

Arion ater

" *suffusus*

" *intermedius*

" *fuscus*

Milax sagax

Vitrea pellucida

Hyalina alba

" *nitidula*

" *radiata*

" *pura*

" *crystallina*

" *fulva*

Zon. nitida

Helix pygmaea

" *rotundata*

" *pulexella*

" *itala*

" *aculeata*

Helix nemoralis

" *aspera*

Coch. lubrica

Carych. mini

Sph. edentata

Pupa anglica

" *cylindrica*

Vertigo pygmaea

" *antivertigo*

" *substriata*

" *angustior*

Physa fontinalis

Aplata hypnorum

Limnaea purpurea

" *palustris*

" *auriculata*

" *truncatula*

Succinea pfeifferi

" *oblonga*

Planorbis cristata

" *altus*

Var. *acuta*. Dead 75072 *Pisidium subtruncat.*

" *casertanum*

" *obtusum*

" *garrusianum*

" *pernatum*

Id. B. B. Woodward.

all in marsh ~~to~~ around
Dooaghty Lake.

206A
Collected by J. B. B.
at Dooaghty
26-3-10

206
" *casertanum*
" *obtusum*
" *garrusianum*
" *pernatum*
Id. B. B. Woodward.

Croagh Patrick, West Mayo.
Quartzite. alt. 27.3.10.

Limax arboreus
Agriol. agrestis
Arion rufus

alt. 100 ft. just off limestone area.

Arion intermedius

Hydrobia crystallina

Helix rotundata

Helix hispida

Arion nemoralis

Clavaria fidentata

Agriol. fluvialis

Limax peryae
Pisid. pumilio
14.5.10. W.
(207)

B. Route followed when ascending mountain via by stream west of Murrisk straight up Lugnademon onto ridge & thence by path to summit & returning by path past small lake with no shells in it.

Sph. edentulum

alt. 450 ft.

Agriol. fluvialis

Agriol. caesi.

alt 550 ft.

Limax arboreus

alt 600 ft.

Arion ater

alt 1000 ft.

Hydrobia crystallina

x Pilgrims Way.

Croagh Patrick continued.

Arion intermedius

alt. 1525 ft.

Limax arboreus

alt 1540 ft.

In wet weather this species would be common as its tracks were numerous, but the dry weather & cold wind had driven nearly all the species into the ground. Those seen were of the mountain from some very dark brown & then nearly black. From this alt (1540 ft.) right up to the Oratory at the summit 2510 ft. alt. I continued to get odd species & saw many tracks under the stones which I turned over.

From Bog near Louisburgh, W Mayo.

Zon. excavatus type

Limax peryae

Arion pumilio

Pis. caesi.

F. Balgoun Brown, 28-3-10.

(207 A)

Barishool Abbey, Newport, West Mayo.

Carboniferous Limestone area. alt. 0. 25.

col. 28. 3. 10.

- Limos maximus*.
- Agrio. apertus*.
- " *laevis*.
- Arion ater*
- " *subfuscus*
- " *intermedius*
- " *fasciatus*
- Vitrina pellucida*
- Hydrobia cellaria*
- " *alluvina*
- " *nitidula*
- " *radiata*
- " *pura*.
- " *fulva*.
- Jon. nitida*
- Helix rotundata*
- " *repens*?
- " *hiopida*
- " *reflexa*
- " *neurobi*
- " *aspera*.

Some very small dead spec. in the Abbey.

- boch. lubrica*
- Carych. mini*
- Clausilia bidentata*
- Cyprea cylindrica*
- Sph. edentata*
- Vertigo antibrutis*
- " *substriata*
- " *pygmaea*.

a form rather like those from Dooey Bay
Irishmaedora + Aran Is.

In marshy lake + drains south of Abbey or main road.

- Lemnaea purpurea*
- " *palustris*
- " *truncatula*
- Planorbis costata*
- Pisidium ~~pallidum~~*
- " *casertum*
- " *perrinitum*

Ver. B. B. Woodward

Id. B. G. H.

(208)

Lough Arrow near Newport
West Mayo. act. F. Balfour Brown
28.3.10.

Vertigo *antennalis*
Physa *fontinalis*
Physa *fontinalis*
Planorbis *fontinalis*
Planorbis *fontinalis*

Physa *fontinalis*
Physa *fontinalis*
Physa *fontinalis*
Physa *fontinalis*

Physa *fontinalis*
Physa *fontinalis*
Physa *fontinalis*
Physa *fontinalis*

Physa *fontinalis*

Physa *fontinalis*
Physa *fontinalis*
Physa *fontinalis*
Physa *fontinalis*

Physa *fontinalis*

Keel Lough, Achill Island, West Mayo.
alt. 0-25 ft. awt. 29.3.10.

Helix *itala*

" *acuta*

" *memoralis* ♂

" *excentrica* - *pulchella*. ♂

Coch. lubrica ♂

Succinea *spiffii*

Limnaea *pygmaea* - *ovata*. In drain in sand dunes.

" " - *laevis*. In Lough Keel. Flood refuge.

" *auricularia* - *acuta*. " " " " " "

" *truncatula*.

Ameglin *fluvialis*. Flood debris.

Planorbis *glaber*

Pisidium *lilljeborgi*. Verified by B. B. Woodward. 2nd first record.

" *streaked*. Identified by " " " " " " 1st first record

" *casertana*. " " " " " "

all *Pisidium* = flood margin of lake (alene) common.

Peat Area north of Droagh, Achill Island

alt. 25-50 ft. awt. 29.3.10

Limnaea *pygmaea*

" *palustris* ?

" *truncatula*

Pisidium *casertana*

1st. B. B. V.

This lake should be dredged.

a mistake B. B. V.

(209)

(210)

Lough Nakerooge (East), Achill Island
West Mayo. alt. 0-25 ft. AWS. 27.3.10.

Agrio. apertus

" *laevis* ?

Anom. ater

Hyalinia nitidula

Nearly white specimen. ? *L. niger* AWS. 1913

all var. *helmi*. at base of northern cliff
below lough.

" *alliana* ✓ One dead shell. Var. *nitidula*

" *—*

Helix rotundata

" *nemoralis*

♂

" *fusca*.

at 600 ft. alt. S.E. of lough.

Pupa cylindrica

Clausilia bidentata

Limnaea peregrina - *lacustris*. a form between ordinary *L. lacustris*
+ the *L. involuta* group.

Anagba fluvialis

a large, very fragile + strongly striate
form. Very abundant.

Pisidium caesatum

ld. B.B. W. *lacustris* form.

" *ottavale*

N.B. a peculiar Heath grow on the cliffs where the lake over-
flows. R.L. Brooker says it is not *Erica mackenzii*, but I
do not believe it is *E. tetralix*.

Sranamanagh Bridge, Owen near Ballycroagh
West Mayo. alt. 25-50 ft. AWS. 30.3.10.

Agrio. apertus

Anom. subfuscum

" *hortensis*

Pupa cylindrica

Limnaea peregrina

A very interesting *lacustris* form
living in the rapidly flowing river.
It is a beautiful dark rich brown colour
+ is coarsely striate.

Anagba fluvialis

barrow near Lough near Baggin, West Mayo.
alt. 50-100 ft. AWS. 30.3.10.

Agrio. apertus

" *laevis*

Zon. nitida

Limnaea peregrina

lacustris. a most beautifully striate
little form. Rich brown colour.

" *palustris*

Physa fontinalis

a very small form.

N.B. all collected at
the outlet of the lake.

Pisidium caesatum

ld. B.B. Woodward.

" *ottavale*

" *nitida*

212

Boggy drain by roadside near Carramore Lough.
West Mayo. alt. 50-100 ft. AWS. 30.3.10

Limnaea puzos. An extremely small caustic form. One spec. only.
Pisidium parvum Id. B. B. W.
" *subtruncat* " " " " (213)

Drain by roadside at Seaview, Belmullet (North)
West Mayo. alt. 0-25. AWS. 30.3.10

Limnaea puzos.
" *palustris*
Apleta hypnorum
Pisidium persense I drain near L. Cross. Id. B. B. W. (214)

Sand dunes near Lough Cross, Belmullet (North)
alt. 25-50. AWS. 30.3.10.

Helix aspersa D.
" *nemoralis* D. Mostly var. *citrinogorata*
" *itala*
" *aspersa*
" *acuta*
Limnaea puzos - *foissyi*

Belmullet (North), West Mayo. alt. 8-50 ft.
Precambrian covered with peat & sand. AWS. 31.3.10

Agriol. agrestis
" *laevis*
Anom. ater

Shore of Lough Seam.

" *subfusca*

Vitrina pellucida

Hyalina alluvina

Very abundant everywhere, especially in old
grassland north of L. Cross. (Cross Abbey)
Shore of Lough Seam.

" *radiata*

" *crystallina*

" *fulva*

Helix costata *

Cross Abbey. Common at roots of fent.

" *itala*

" *aspersa*

A small headed form like S.E. of England chalk hills form

" *acuta*

" *nemoralis*

L. Cross Abbey almost all were var. *citrinogorata*.

" *aspersa*

" *pygmaea*

Coch. lubrica

Carych. mini

Planorbis planorbis

Succinea pfeifferi

* Also *Helix puzos*
- *acuta*
- *radiata*
+ also not Cross Abbey.

Belmullet (South) continued.

Aplecta hypnorum Drain S.W. (one mile) of Bingham Castle.

Lemna purpurea
" *palustris* In lake in sand dune 1 1/2 miles S.W. of Bingham Castle.

Planorbis cristatus } Both in drains with
" *spiralis* - *lucorum* } *A. hypnorum* + *P. milium*.

Planorbis milium In drain with *P. spiralis* & *A. hypnorum*
Yn. B. B. W.

" *obtusata* Id. B. B. Woodward.

(216)

Glencastle 4 miles east of Belmullet on
road to Bangor. West Mayo.
alt. av. S. 1. 4. 10.

Wooded glen. Hazel, Birch &c.

Lemna arborescens

Agrion agreste

Agrion ater

" *saffordianum*

" *intermedium*

" *fasciatum*

Vitula pallidula

Glencastle continued.

Hydrobia crystallina

" *nitidula*

" *pura*

Helix nemoralis

" *retundata*

Coch. lubrica

Cyprina mini

Pupa cylindrica

Clausilia pidentata

Balea perversa

Extraordinarily abundant - ~~all types~~.

South Achill. Baney's Pt to Dooge.
West Mayo. av. S. 2. 4. 10.

Agrion agreste

Agrion ater

Hydrobia cellaria

" *alliana*

" *pura*

all var. albida. at Kildabnet.

Yn. nitidula.

Yn. nitidula.

Helix retundata

" *hispidula*

" *arvensis*

Kildabnet.

"

Coch. lubrica

Cyprina mini ?

Pupa cylindrica

Lemna purpurea

No! " ~~palustris~~ ?

Ref. " *truncatula*

Planorbis pumilus

(217)

Id. B. B. W.

Achill (West) + Croaghann, Mayo West.
 AWS. 3.4.10.

Lough Acrymore. alt.

Psidium coccineum Three spec. same taken here in Sept. 1909.
 (lake from 1d. B.B.W.)

Lough Corrynting. alt.
Nil.

Lough Bannapora West. alt. 1100.
Nil.

Lough Nakuroge (West) alt.

Lough Bannapora East
Nil.

Furlough between Lough Bannapora East + Nakuroge (West).

Psidium coccineum Common in semi-dried up pools.
 (lake from 1d. B.B.W.)

Cliff north of Croaghann, Achill Island (West)
 West Mayo. alt 1100 ft. AWS. 3.4.10.

Hyalinia nitidula
Helix rotundata
 N.B.

} among *Luzula* + *Scirpus umbrosa*.

This spot looks good for collecting + will
 repay further work. Lack of
 sleep - probably being active - was
 seen. Much too early for to
 expect good results. Would pay
 well in May, June or Sept.

END OF THIRD SURVEY
 For CLARE ISLAND REPORT.

Near Athlone. Co. Roscommon.

Drain west of town. alt. 4.4.10

Agrio. agrestis
Arion fasciatus
Zon. nitida
Helix rufescens ♂
 " *rugata* ♂
 " *acuta* ♂
Coch. lubrica ♂
Limnaea peregrina
 " *palestinensis*
 " *stagnalis*
 " *truncatula*
Physa fontinalis
Planorbis corumbosa
 " *unilobata*
 " *contorta*
Vatrina cristata
 " *priscalis* ♂
Byth. tentaculata
Sphaer. cornu

pp. 108-112 + 114-116
 published Nov. 1910
 not

No *Pisidia* seen

Tang Bridge, Co. Longford.

alt. 5.4.10.

Carboniferous Limestone

NB. Tang Riv. is the
 boundary between
 Co. Westmeath &
 Longford.

Agrio. agrestis
Arion ater
Vitrea pellucida
Hyalina cellaria - *Libernica*
 " *nitidula*
Zon. nitida
Helix rufescens
 " *rufescens*
 " *limpida*
 " *rotundata*
 " *itala*
 " *venusta*
 " *aspera*
Coch. lubrica
Purpura cylindrica
Claviclea fiduciosa
Succinea putris

220.

Very fine & common at base of wall on
 east side of road. Far away from any
 permanent water.

Shauls Bridge, Inny River, Co. Longford.
alt. aut. 5.4.10.

Cartmiferum Lineston.

Eucnemis fulvus.

Agrio. laevi.

Helix rotundata

" *hispidula*

" *rufescens*

" *capitata* ♂

" *pulexella* - *excentrica*.

Coch. lubrica.

Carychi. minor

Pupa cylindrica

Clavichia bidentata

Succinea putris.

" *pfiffneri.*

Limnaea peregrina.

" *palustris.*

" *truncatula.*

Cartmore Marsh west of Ballymahon.
alt. 5.4.10. Co. Longford.

Agrio. apertus

Hyalina nitidula

Helix rufescens

" *hispidula.*

" *aspera.*

Limnaea peregrina.

" *palustris.*

Valvata pinnata.

Sphaerium corneum.

Saints' Island, Lough Ree, Co. Longford.
alt. aut. 5.4.10.

Agrio. apertus

Agrio. hortensis

Hyalina cellaria.

Helix rufescens

" *rotundata*

" *hispidula*

" *rufescens.*

" *virgata* ♂

" *itala*

" *nummular.*

" *aspera.*

Coch. lubrica

Clavichia bidentata

Succinea pfiffneri

Limnaea peregrina

" *palustris*

" *truncatula*

Physa fontinalis

Planorbis carinatus ♂

" *unifilicatus*

Valvata cristata

Byth. tentaculata

Sph. corneum ♂

(221) *Pisidium parvum*

Royal Canal at Baker's Bridge,
near Ballynashon, Co. Longford.
Carboniferous Limestone. awl. 5.4.10.

awl.

Agrio. agrestis.

Hyalina pura.

" *crystallina*

Helix rotundata

" *hispidula*

" *nemorali*

Coch. lubrica.

Clavus fidentatus

Pupa cylindrica

Succinea Pfeifferi

Anphi. glabra

Limnaea puzos

" *stagnalis*

" *palustris*

" *truncatula*

Physa fontinalis

Planorbis cuneatus

" *costatus*

" *rotatus*

Neritina floridula

also dead
+ Pl. *planorbis* *alba*
sample of Canal
mud

Very abundant on stone-work of Canal Bridge

In drain.

Valvata cristata

" *piscinalis*, Green *crab*

Byth. tentaculata

Sphaerium comeum

Pisidium amnicum

" *milium* ?
" *pallidum* ?

222

Shore of Lough Ree near Glassan
Co. Westmeath.
awl. 130 ft. Carboniferous Limestone.
awl. 5.4.10.

Agrio. agrestis

Anom. fasciata

Helix pulchella - *excentrica*

" *hispidula*

" *rupertina*

" *nemorali*

Clavus fidentatus.

Athlone to Kiltoom, Co. Roscommon

Carniferous Limestone. alt. 6-4-10

1. Ruined cottages 2 1/2-3 miles from Athlone.

Drain - field &c. alt.

2. Stream + drains near shore of L. Ree
at "Mushroom Stone". alt. 130 ft.

3. Woods &c south of Kiltoom by
roadside. alt.

Agrio. agrestis 1. 2. 3.*" laevis* 2.*Limox. artorum* 3.*" flavus* 3.*" maximus* 3.*Arion ater* 1. 2. 3.*" intermedius* 3.*" hortensis* 2.*" fasciatus* 1. 3.*Vitrea pallucida* 2.*Hyalina cellaria* 1. 3. = *Hyalina liternica*, A.S.K.*" nitidula* 1. 3.*" crystallina* 1. 2. 3.*" fulva* 1.*Helix rotundata* 1. 2. 3.*" rufescens* 1. 3.*" pulchella-excentrica* 1.*" hispida* 2. 3.*" rufescens* 1. 3.*" nemoralis* 1. 2. 3.*" aspersa* 1. 2. 3.*" itala* 1. 3.*" caperata* 1.*" virgata* 1.*" acuta* 1.*Coch. lubrica* 1. 2. 3.*Carych. min.* 2.*Pupa cylindrica* 1. 2. 3.*Clausilia bidentata* 1. 3.*Sph. edentulum* 3.*Succinea Pfeifferi* 2.*Limnaea puzos* 1. 2.*" palustris* 1. 2.*" truncatula* 2.*" stagnalis* 2.*Amegh. floristella* In river under main road near 2.

Arthor to Kiltorn continued
Co. Roscommon.

<i>Physa fontinalis</i>	1.2.	Under railway in stream.
<i>Aplexa hypnum</i>	2.	
<i>Planorbis cristata</i>	1.2.	
" <i>umbilicata</i>	1.2.	
" <i>contorta</i>	1.	
" <i>rotax</i>	2.	
<i>Valvata cristata</i>	1.2.	
" <i>pinnulata</i>	2.	
<i>Bryth. tentaculata</i>	1.2.	
<i>Sph. cornu</i>	2.	
<i>Pisidium mili</i>	2.	
" <i>purill</i>	1.2.	
"		

drain
outlet of
William's bog
223
224

END OF EASTER TRIP
1910.

Magherafelt District, Co. Derry
Apr. 16. 4. 10.

Mill dam, 1 mile S.E. of Magherafelt.
On Basalt Area.

<i>Limon. arborum</i>
<i>Agris. agrestis</i>
" <i>laevis</i>
<i>Anis. ater</i>
" <i>subpurum</i>
" <i>intermedium</i>
" <i>foveatus</i>
<i>Vitrina pellucida</i>
<i>Hyalina nitidula</i>
" <i>pura</i>
" <i>radiatula</i>
" <i>crystallina</i>
<i>Helix rotundata</i>
" <i>hiemalis</i>
" <i>nemorialis</i>
" <i>pygmaea</i>
<i>Cochlicopa lubrica</i>
<i>Carychium</i>
<i>Clavus fideistatus</i>

Mayhewfelt continued.

Purpura angulata
 " *cylindracea*
Vertigo subtristis
Limnaea stagnalis
 " *peregrina*
 " *palustris*
Planorbis albus
 " *spirochis*
Valvata pinnatis
Sph. cornu
Pisidium

a beautiful small lacustrine form

= *Lacostoma*. Very large.

(225)

Marsh near Mayhew Junction.
 On Carb. limestone area.

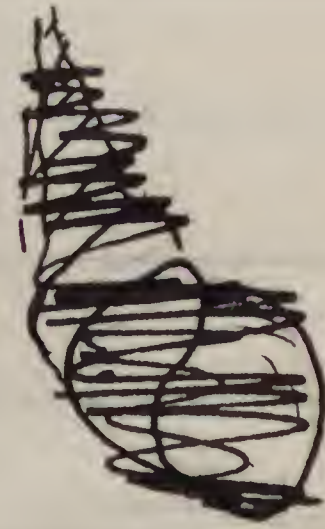
Limnaea peregrina
 " *palustris*

Aplousia hypnum

Planorbis spirochis = *Lacostoma*. The largest specimen I have

ever taken but very Rare.

On right hand just after crossing the
 railway 1 mile W. of Mayhewfelt.



In ruin of cottage 1/2 mile W. of Mayhewfelt.
 Basalt area. 16.4.10.

Agriol. apertus
Arion ater

" *sulphureus*

" *fasciatus*

" *hortensis*

Hyalimorpha crystallina

Helix reticulata

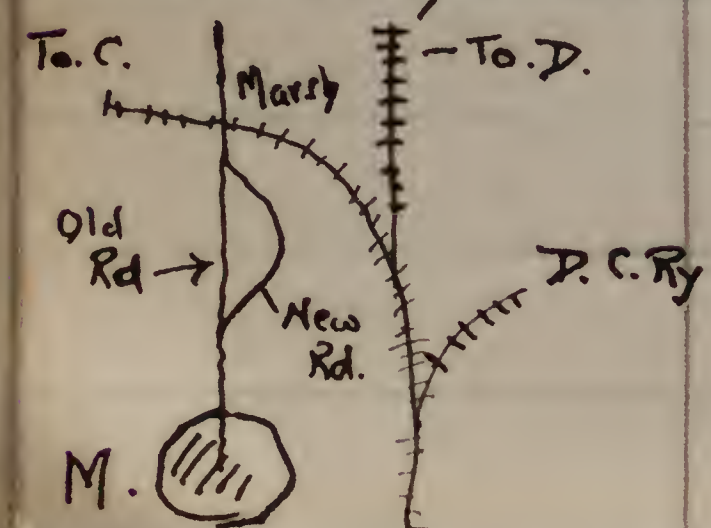
" *lucida*

" *aspera*

Dead.

Clavicornia pidentata

Purpura cylindracea



Peatens Glen near Maykenafelt.
Co. Derry. Cut through trees.
16.4.10.

Agrio. apertus
Limox. arboreus
Arim. ater
" *subpurpureus*
" *fasciatus*
" *hortensis*
Hyalina nitidula
" *para.*
" *crystallina.*
" *fulva.*

Zon. excavatus

Two spec. of the var. *viridula*.
The most easterly record in Ulster. So far.

Helix pygmaea
" *lamellata*
" *retardata*

Coch. labrica
Carych. minus
Pupa anglica
" *glabrata*

Balea perrona
Clavicle. fidentata

Vertigo substriata
Sph. edentulum

Similar Glen further south.
also in trees at foot of Sh. Gallion.

Limox. arboreus
Agrio. apertus
" *lamin.*
Arim. ater
" *subpurpureus*
" *fasciatus*
" *hortensis*
Hyalina allionia.
" *nitidula.*
" *para.*
" *radiatula*
" *crystallina*
Helix nemoralis
Coch. labrica.

Usual thin woodland form.

Both glens would
well repay further
work. ^{ans.}

Neill's Mill Cooler, College Street, Belfast
Co. Antrim. AWS & F.B.B. 18.4.10

Temp. of water 70° Fahr.

Lemna perger Very abundant. a thin light green film.
also. *Lemna flava* & *H. cellaria* -
yard.

Ewart's Mill Cooler, Cumber Rd. Belfast
Co. Antrim. AWS, RW & F.B.B. 21.4.10.

Pond with water at 73-75° Fahr.

Lemna perger
" *truncatula*
Apletia hypon
Planorbis spiralis
Pisidium

a few from

226

Pond with water at 93° Fahr.

Lemna perger
Planorbis spiralis
Pisidium

227

Ewart's Mill continued
In yard round ponds.

Agrio. agrestis
Anis. fasciata
" *hastata*
Hyalina cellaria
" *radiatula*
" *crystallina*
" *fulva*.

Helix retundata
Pupa cylindrica
Lemna truncatula

Highfield Mill Dam, Raf St. Belfast.
AWS. RW & F.B.B. 21.4.10 G. Antrim.

Water 75° Fahr.
One shell curiously malformed. N.F. McMillan.
Rare.

Lemna perger
Planorbis glaber
" *crusta*
Pisidium subtruncatum

In million. Never seen here before. also - field
dun near
by.

228

P. pusillum and *P. subtruncatum*
both from Stelfox *Pisidium* Catalogue.
N.F. McMillan. Aug. 1962.

Water 89° Fahr

nothing alive on this occasion.

Nil.

Logan Canal, Drum Bridge to
Ballyskeagh Viaduct, Co. Down
Aug. 30. 4. 10.

In field opposite Drum House. Co. Down.

- Arion sulcatus* + *a. ater*
Coch. lubrica
Hyalina fulva
Helix rotundata
 " *liripida*.
Carych. mini
Succinea sp.? Young. Probably *S. patris*.
Planorbis crista
 " sp.? Probably a contracted *P. cuneata*.
Limnaea peregrina. Small form of *L. orata* Drap.
 " *palustris*.

Canal + Canal Bank.

- Agriol. agrestis*
Arion ater
 " *sulcatus*
 " *fulvatus*
 " *intermedius*
Hyalina fulva.

G. Ant. - but I think
it was done 1915-5 1917

Marsh near Drum House (DO.)
a.w.s. 7-5-10

Pl. leucostoma
Pisidium

(229A)

- Helix rotundata*
 " *liripida*.
Coch. lubrica
Carych. mini
Succinea Pfeifferi
Physa fontinalis
Anagis fluvialis
Aerolosa lacustris
Limnaea peregrina
 " *palustris*
 " *stagnalis*
Planorbis cuneata

Dead.

Very abundant in *Potamogeton* sp.?

- " *fontana*
Bryth. tentaculata
Valvata piscinaria
Physa cornu
 " *lacustris*
Pisidium nubi
 " *thurensis*
 " *piscinaria*

In pond near mill 1/2 mile below Viaduct.

Very common but all young.

(229)

Killylea to Bentruf, Co. Armagh
 Carboniferous Limestone
 Aug. 16. 5/10

Lemna arborescens
Agria aperta
Arima atrata

" *sulphurea*
 " *intermedia*
 " *hortensis*

" *fasciata*

Vitrea pellucida Several young alive.

Hyalina cellaria

" *alliana* In wood near Bentruf.

" *nitidula*

" *pura*

" *crystallina*

" *fulva*

Zon. nitida

By canal near Bentruf.

Helix rotundata

" *liripida*

" *aspera*

Dead.

" *remorata*

Coch. lubrica

Clavella fidentata

Purpura anglica In wood near Bentruf.

" *cylindrica*

In Canal near Bentruf.

Limnaea palustris

" *stagnalis*

Physa fontinalis

Planorbis albus

" *carinata*

Byth. tentaculata

Ophi. cornu

Pisidium

230

missing

In field drain near Canal at Bentruf.

Limnaea purpurea

Bythium tentac.

Ophi. cornu

Valvata cristata

Benturb to Clonfeacle.

Co. Tyrone, Aug 16. 5. 10

Carboniferous Limestone & Trilobite

By old road from B. to C.

Limax flavus Near Clonfeacle at base of wall close
to bridge over Riv. Blackwater.

Arion ater

" *suffusus*

" *fasciatus*

Hydrobia cellaria

Helix hispida

" *rotundata*

Claviclea bidentata

Physa fontinalis In field drain.

Mahee Island, Strangford Lough, Co. Down.

Aug. 20 - 5 - 10.

Limax arborum.

Agriol. agrestis.

Arion ater.

" *suffusus*.

" *intermedius*.

Vitrina pellucida Dead.

Hydrobia ulmaria Common, & fine specimen.

" *nitidula*.

" *crystallina*.

Helix rotundata.

" *hispida*.

" *remoulii*.

" *lortensis*.

A rather peculiar form.

Small & altogether an interesting form.

In several places round about the Round Tower

all yellow, 00000, & two dead type, 12345,

near shore S.E. of same. Shells examined.

First found here by J. N. Milne. See I. N. vol. p.

Boet. laticornis

Claviclea bidentata

Pupa cylindrica

Reagh Island, Strangford Lough, Co. Down.
A.W.S. 20-5-10.

Agrio. agrestis
Arion ater
Helix retundata

" *aspera*.
" *hortensis*.

Opposite Cross Island

One specimen of type, 12345, at north end
of wall round plantation, which stretches
along the eastern side of the island.
Dart examined.

Clavus pidentata
Paladestura

stagnalis.

In pools on the isthmus connecting Reagh
+ Cross Islands.

Cross Island, Co. Down. A.W.S. 20-5-10.

Arion ater
Pupa cylindrica
Cochlidopa lubrica
Clavus pidentata

Left bank of the River Bann from Coleraine
to Carrick, Co. Derry. A.W.S. 21-5-10.

Agrio. agrestis

Limax maximus Var. *zygostica* in plantation above Railway.

Arion ater

" *subfuscus*
" *intermedius*
" *hortensis*.
" *fasciatus*.

Vitrina pellucida

Hyalina cellaria

" *nitidula*
" *crystallina*
" *radiatula*

Helix retundata

" *lispida*
" *nemoralis*

Coch. lubrica

Carychium minimum

Sph. edentulum

Clavus pidentata

Acicula lineata

One dead on seaward face of Ry. bank.

Bann Estuary continued.

Limnaea peregra. Mostly tending in the var. *Boissyi* direction.
 " *palustris*. Normal in stream but a most peculiar
 form like a large fat *L. truncatula*
 living on the tidal edge of the river
 in company with *Succinea Pfeifferi* &
L. truncatula.

" *truncatula*
Succinea Pfeifferi
Planorbis cristatus

" *spiralis*. *Pl. leucostoma*, Mich.
Paludastrea jenkinsi
Planorbis small

" *truncatula*

(231)

District round Narau Fort, Co. Armagh

Aug 5 & N.H. Foster 5.6.10.

Lemna maxima.

" *flava*.

Agriostoma

Anisostoma

" *sulphurea*

" *intermedia*

" *hortensis*

" *farinosa*

Vitrea pellucida Dead.

Hyalina cellaria - *Lymnaea*. Some rather fine specimen,
 large & flat in ruin of old mill
 opposite Tullymore House. Hereafter
 called Tullymore Mill.

" *nitida*

" *para*

" *crystallina*

" *radiata*

Helix reticulata

" *escentia*

" *lucida*

almost all full grown.

" *rufescens*

Red form common in ruin of Tullymore Mill.

Naran, Co. Armagh, continued.

- Helix nemoralis* Many of the var. *castanea*? (a uniform purple)
" aspersa.
Coch. lubrica
Carychin mini
Clavus pidentata
Pupa cybistracea
Luccinea Pfeifferi Very richly coloured specimen - Naran Quarries
Physa fontinalis
Limnaea peregrina Very light coloured spec. - Naran Quarries.
" stagnalis Drain near Naran Lough.
" palustris " " " "
Planorbis albus Common in Naran Quarries.
" crista Naran Quarries.
" fontana " Lough.
" contorta " " + quarries. " Naran Lough" should read Longfurness Lake
Valvata cristata " " " "
Pyth. tentaculata " " " "
Sp. corneum Naran Quarries.
Pisidium submontanum Drain at Naran Lough.
" garsiaeum " " " "
" parvum? Fore of Naran Fort.

(233)

Shore of Lough Fad (loch Fad) near Rotheray
Bute, Scotland. Aug. 28. 5. 1890.

- Agrion apertum* Common.
" laevi Common.
Limnaea maximum On old red sandstone area at foot of a wall near farm.
" asprum In wood on Metamorphic area.
Arion ater Common.
" intermedius Metamorphic area; in wood.
" fasciatus Common.
Vitrea pallidula In wood on Metamorphic area.
Hyalina cellaria One specimen $\frac{2}{3}$ grown of the woodland form of *V. Litoria*, Kennard. This is the shell recorded for many places as *Hyalina litoria*, Blum; *H. glabra* Studer & S. They are at once distinguished by their natural striae.
" allearia Common + fine in woods on Metamorphic area.
" nitidula Metamorphic area.
" pura " "
" radiatula By shore of loch.
" crystallina Metamorphic area.
Lucicola fava " "

Shore of Loch Fad, Bute continued.

- Zonitoides excavatus*. One type (juvenile) in woods on the Metamorphic area.
- Helix papyracea* Woods on " " " Common.
- " *rotundata* " " " " Common.
- " *hispidula* Many young near farm with *L. maximus*.
- " *lamellata* One dead in woods on Metamorphic area.
- " *asperna*. By farm with *H. hispidula*.
- Coch. lubrica*. Common.
- Carych. mini.* Shore of Loch Fad.
- Prupa cylindracea*. Common & large near Rotheray.
- Vertigo antientis* One on shore of Loch Fad.
- " *edentata*. In woods on Metamorphic area.
- Lemna pereg.* Common.
- " *truncatula* A slender form with *V. antientis*.
- Physa fontinalis* a small form common in Loch Fad.
- Planorbis glabra* One specimen in Loch Fad.
- " *altus* Several in Loch Fad.
- Anysa fluvialis* Common in Loch Fad.
- Pisidium subtruncat.*, *P. gairdnerianum*, *P. caucasicum*, *P. pumila*? & *P. pulchella*. all either in Loch Fad or in drains connected with it.

No *Clavistia* seen at all.

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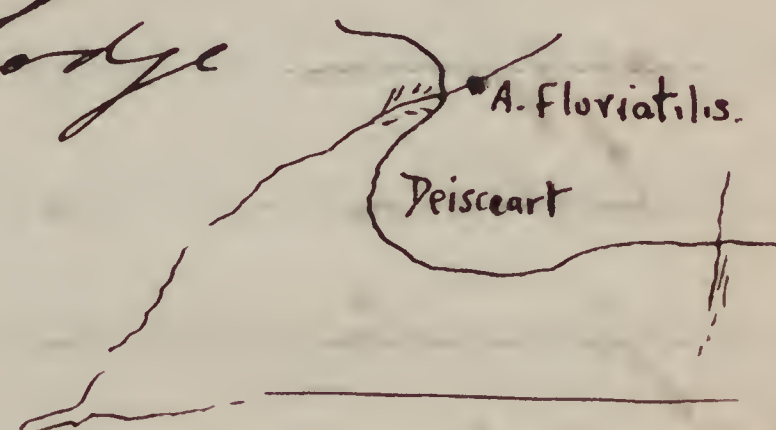
Glenariff, Co. Antrim
Aug. 25-6-10.

- Limnaea stagnalis*. Common in Glen below Glenariff Lodge.
- Agriol. agrestis*. " "
- Anis. ater* " and up to 1100 ft. on moors to east.
- " *suffusa* " in Glen.
- " *hortensis* " "
- " *proscintus* " "
- Vitrea pellucida* " "
- Hyalina allicaria* on hill side.
- " *nitidula* In Glen.
- " *pura* " "
- " *cystellaria* " "
- " *fulva* on hill side.
- Helix rotundata*. In Glen.
- " *lamellata*. " "
- " *fulva*. " "
- " *hispidula* " one young very like a half grown *H. granulata*.
- Carych. mini.* " "
- Prupa cylindracea* on hill side.
- Sph. edentata* " "
- Clavistia identata* In Glen. One with two upper denticle.

Glenariff continued

Aene lineata One fine specimen in Glen (alba)

Ancylus flav. In both streams, up to 1000 ft,
opposite Glenariff Lodge



Limnaea truncatula In swamp at back of Deisceart
Pisidium " " "

(234)

No *Mullusca* seen in the larger unnamed
lake which lies $\frac{1}{2}$ east by south,
of Deisceart.

Notes for Clare Island Survey.

Limnaea cinerea-nigra Common 50-60 feet above Kinnaconna on Clare
Island (area No 1) at night time.

H. Wallis Kew & T. Welch.
18.6.10.

Collected by Merin H. Foster June 1910
at Balclutha, Clare Bay Limestone Area.

Vitrina pellucida

Hyalina cellaria

" *radiatula*

Helix rapescens

" *itala*

" *memorata*

" *aspera*

Helix rapescens

Purpura cylindracea

" *anglica* var *pallida*

Coel. lubrica

Planorbis pidentata

On Dorinish Island, Clare Bay. 18.6.10

Hyalina radiatula

Helix rapescens

" *itala*

Purpura cylindracea

Carriekaloughran Quarries, Near Armagh
Carboniferous Limestone Area. A.W.P. 2-7-10

Agriol. agrestis
Lima maxim Var. *cyathica*.
Milax gazata Both forms.
Anis. ater
 " *suffusa* Var. *costanea* only.
 " *intermedia*
 " *purpurata*
Hyalina cellaria
 " *nitidula*
 " *crystallina*
Helix retundata
 " *hipida*
 " *remota*
 " *palehella* = *V. excentrica*, Sturki.
 " *aspera*
Coch. latrunc.
Carychium minus
Pupa cylindracea
Charila identata

Limnaea peregr

" *palustris*

" *truncatula*

Pisidium geminum

Naran, not at Carriekaloughran

In miller in quarry ponds.

In ditch west of Carriekaloughran.

(235)

At Naran

Vertigo pygmaea on hillside north of Loughnasade

Succinea elegans In moat of Nara Fort on Fin.

Pl. umbilicatus In Loughnasade R.V.

Anagallis lacustris

Pisidium R.V.

(235)

N.B. Loughnasade is the lake lying 1/4 mile north of Naran fort, which in my former note on this district I called "Naran Lough".

In limestone quarries at Naran Fort. A.R.
 R. Welch. 2-7-10.

I.F.C.U. Conference at Rosapenna,
West Donegal, July 8-14, 1910.

- Limosina artemis*
" *flava*.
Agriolimax agrestis
Arion ater
" *suffusus*
" *intermedius*
" *hortensis*
" *fraxator*
Melolontha scabripes.
Vitrea pallidula.
Hyalina alluaudi
" *nitidula*
" *crystallina*
- Doe Castle, Shepherson, AWS + RW. 8.7.10.
Under fallen trees in marsh
One specimen in rotten log near Castle
1st Record for West Donegal.
- One fine specimen with *L. flava*.
Dead.
Common in Castle ground. All *V. lifarnia*, Kennard.
One fine greenish specimen in woods west
of Castle, very fragile, thin & polished,
no white round umbilicus, which was
narrow = *V. schaffi* Kennard?
R. W.

- Helix retundata*
" *liripida*
" *infersus*
" *itala*
" *asperosa*.
Coch. laticincta.
Purpura glaucostriata.
Buccina perversa.
Clusilia pidentata
Carychium minutum
Paludicola stagnalis
Pisidium
- R. W. June 1910.
Common in grass-land.
R. W. June 1910.
Round estuary west of castle.
In marsh west of castle. (236)

Rosapenna Peninsula, AWS + RW. 9/7/10

- Agriolimax agrestis*
Arion ater
Hyalina alluaudi
" *nitidula*
" *crystallina*

Rosgill continued*Helix retundata**" pulchella* = *V. excentrica* Sturki*" itala*. Magnificent dark specimen above
Fanny's Bog.*" hispida**" aspersa*.*" nemoralis*.*Coch. lubrica**Pupa glabra**Vertigo pygmaea*.*Limnaea peregra**" palustris*.*" truncatula*.*Pisidium personatum*.*Sphyradin edentata*.
Anagallis flaviventris.Var. *trionxi*. In pool above Fanny's Bog. Fri.
R.W.

(237)

In pool on Melmore Mt.

Rough Island, Mander Hole Bog. R.W.*Helix nemoralis*.*" itala*.*Pupa glabra*.*Clasidius plicatula*.Melmore Head A.W.S. 7. 4. 10.*Agrio. agrestis**Helix nemoralis**" itala**Hyalina allium**Pupa glabra*

all in ruin of Signal Tower

Helix aspersa

on Burdock leaves on Malroy shore.

Magheracullen Mountain. A.W.S. 7. 7. 10*Agrio. agrestis**Limnaea stagnalis**Anis. ater**Hyalina allium**" allium**Helix retundata**" itala**" nemoralis**" aspersa*.*Coch. lubrica*.

Shore of smaller lake north of Melmore Lough

" " " " " "

Mayeria callion continued*Pupa glabrata*" *anglica*" *muscorum**Vertigo antioquia*" *pygmaea*

In marsh on north slope of Mountain

By side of smaller Melmore Lough

With *P. anglica*

" " "

Melmore Lough. ASD + RW.*Limnaea peregrina*" *palustris*" *auricularia*Var. *acuta*.*Planorbis albus*

Very fine

" *glaber*

? RW.

" *crista*.*Pisidium*

(238)

*Limnaea peregrina**Planorbis cristatus**Valvata cristata*

2nd & smaller lake north of Melmore Lough.

and *Valvata piscinalis**Pisidium salignum*

(239)

Wood at Lockagh Bridge,

ASD. 10.7.10.

Fine & Common. Var. *zygotheria*.*Limnaea maximus*" *arborum**Anisus fasciatus**Vithia pellucida**Hyalina cellaria*" *alluvina*" *crystallina*" *radiata*?*Helix stansbata*" *lipida*" *nemorali**Balea perversa**Pupa glabrata*

Glen near Glannon, West of Glannon

375 feet alt. ASD. 10.7.10.

*Agrius agrestis**Anisus intermedius**Hyalina nitidula*Var. *helmin*" *pura*" *crystallina*

Glossar continued.

Helix nemoralis
 " *rotundata*
Coch. lubrica
Purp. anglica
 " *cylindrica*
Carychi. mini
Angulus flavicollis

Anion ater
Hyalina alluvia
 " *alluvia*
 " *radiata*
 " *crystallina*
Helix rotundata
 " *lipida*
Purp. cylindrica
Vertigo sp.?
Planorbis peltata
Limnaea truncatula
 " *penae*
Valvata pinnata

Breenough and S. 10-7-10.

a young shell. Probably *V. antea*

Lough More and *Pisidium nileum* 240
 " " " *subtruncatum* B.B.W.
 " " " *pusillum*

Glenveagh, and S. & R.W. 10-7-10
 150-200 ft. alt.

Apis. apert.
An. fasciata
 " *intermedia*
Limnaea arbutus
Fonticola excavata R.W.
Helix rotundata
 " *lamellata* R.W.
 " *nemoralis*

Barnes Bay Gap. and S. 11-7-10

Anion ater
 " *fasciata*
Apis. apert.

Shores of Lough Salt. Aust + RW. 11.7.10
817-850 feet alt.

<i>Agrio. apertus</i>	
<i>Limax asper</i>	One specimen of the usual dark mountain form
<i>Arion ater</i>	
" <i>intermedius</i>	Common
<i>Hyalina albirostris</i>	Common.
" <i>pura</i>	One specimen. RW.
" <i>nitidula</i>	
" <i>crystallina</i>	
<i>Helix rotundata</i>	
<i>Pupa cylindracea</i>	
<i>Coch. lubrica</i>	
<i>Limnaea peregrina</i>	Common - Lough Salt
" <i>truncatula</i>	One dead shell between L. Salt + L.
<i>Anagallis flaviventris</i>	Common - Lough.
<i>Psidium</i>	(241)


Lough Reelan 750 feet alt. Aust.

Limnaea peregrina
Anagallis flaviventris
Psidium

(242)
Lost. They were *Helix* *P. pusilla*, *subtruncatula* + *persimilis*.

TORY Island. Aust. + RW. 12.7.10

East End. 0-200 feet alt.

<i>Milax gagates</i>	Small & dark slate colour. Rare.
<i>Agrio. apertus</i>	Brown with, bands on shield  + Bands.
<i>Arion ater</i>	
" <i>intermedius</i>	Common on cliffs.
<i>Hyalina albirostris</i>	Common.
<i>Helix rotundata</i>	
" <i>nemoralis</i>	Common. Mostly var. <i>albolaricata</i> .
<i>Pupa cylindracea</i>	Very abundant. Var. <i>anemortua</i> .
<i>Coch. lubrica</i>	Rare.
<i>Clavus bidentatus</i>	One dead 1/2 from shell on cliffs.
<i>Psidium persimilis</i>	In pool west of Port Don. (243)

Legreby. Aust + RW.

<i>Agrio. apertus</i>	
<i>Arion ater</i>	
" <i>intermedius</i>	
<i>Hyalina albirostris</i>	
" <i>nitidula</i>	Several fine specimens. High spired & much dilated.
" <i>crystallina</i>	Rare.

Tory Island, Legreby continued.*Helix retundata**Purpura cylindracea*" *anglica*. Several dark specimens.West End. and S.*Aprio. apertus*" *laevis*

One young specimen under stone on east shore of Longh Ays.

Anion ater" *intermedia**Milax papata*

Rare.

Vitina pallidula

One dead shell - Core east of Light House.

*Hyalinia allensis**Helix retundata*" *rennensis**Purpura cylindracea**Limnaea pumila*

Longh Ays + pools near it.

" *truncatula**Planorbis cristatus*

In pool between Longh Ays + Light House.

Pisidium

Pools near L. Ays.

(244)

Pools further West.

244A

Shells collected by Mr. J. N. Milne on Tory Island
- 1894 + 1897.*Hyalinia crystallina*" *allensis*" *nitidula**Helix rennensis**Purpura cylindracea**Limnaea pumila*" *truncatula**Planorbis cristatus*

P.

Foglessmore

St. Jude's Ca.

21. 7. 10

B B. Woodward.

Dear Mr. Stelfox

I cannot find the list of the Tory Is. shells I had written out. Here are all I got except the nitidula which has gone astray. I am also pretty sure that I saw abundance of limpids on old bits of coffins in the grave yard and once I saw two aspersa beside a house but as I did not bring either I exclude these two from my list. Yours sincerely J. N. Milne

L. J. W. Stelfox
from Tory Is.
1894.

V. crystallina
V. allensis
V. nitidula
H. rennensis
L. cylindracea
L. pumila
L. truncatula
P. cristatus
P. pusillum

Foglemore
St. Jude's Cr.
21.7.10

Dear Mr Stelfox

I cannot find the
list of the Fory I^d shells
I had written out. Here
are all I got except -
the nitidula which has
gone astray. I am also
pretty sure that I saw
abundance of hispidula
on old bits of coffins in
the grave yard and once
I saw two aspersa beside
a house but as I did not
bring either I exclude
these two from my list.
Yours sincerely
J. W. Milne

You see I took
no count of the
things at that time
so I can not own
nothing of them
now.

I had a letter
from her Tuesday
this morning
asking me to send
the list.

I am,

Tory Island, Legueby continued.

Helix rotundata

Purpura cylindracea

" *anglica*. Several dark specimens.

North End. A. & S.

Agrius apertus

" *laevis*

One young specimen and stone on east shore of Long Age.

Anom. ater

" *intermedius*

Milax pagoda

Rare.

Vitrina pellucida

One dead shell - Core east of Light House.

Hyalina alliana

Helix rotundata

" *renovata*

Purpura cylindracea

Limnaea pereger

Long Age + pools near it.

" *truncatula*

Planorbis cristatus

2 pools between Long Age + Light House.

Pisidium

Pools near L. Age.

244

Pools further West.

244A

Shells collected by Mr. J. N. Milne on Tory Island
- 1894 + 1897.

Hyalina crystallina

" *alliana*

" *nitidula*

Helix renovata

Purpura cylindracea

Limnaea pereger

" *truncatula*

Planorbis cristatus

Pisidium pusillum

Identified by B. B. Woodward.

L. & S. U.S. Shells
from Tory Island
1897.

V. crystallina

V. alliana

V. nitidula

H. renovata

P. cylindracea

L. pereger

L. truncatula

P. cristatus

P. pusillum

Crattagh Wood, A.S. & R.W.

13.7.10.

apic. apertus
Arion ater
 " *suffusus*
 " *intermedius*
 " *hortorum*
 " *foveolatus*
Vitrea pellucida Dead.
Hyalina alliana
 " *alliana*
 " *nitidula*
 " *pura*
 " *crystallina*
 " *fulva*
Zonitoides excavatus Several fine shells.
Helix rotundata
 " *remorata*
Coch. lubrica
Carych. min.
Pupa cylindrica
 " *anglica*
Bolea pumila
Clavella fideolata

R.W. Fine specimen above wood.

End of I.F.C.V.
1910

Sallagh Brook & Knockdhu

Co. Antrim. A.S., R.W., & J. B. B.

24.7.10

Cliffs of Knockdhu, 1000-1200 ft. alt.

apic. apertus
Arion ater
 " *suffusus*
Helix rotundata
Hyalina alliana
Clavella fideolata

Limnaea pumila
 " *palustris*
Pisidium

Lough Duff, 1100
 1075 feet alt.
 Full grown & just dying.

(245.)

above on shore of lake.
Hyalina alliana
Arion ater

Gallagh Bros. continued
 Path below cliffs 600-500 feet.

Lima arbutus

Apus apertus

Arion ater

" *rufescens*

" *intermedia*

" *praecox*

Vitrea pallasi

Hyalina allionii

" *nitida*

" *pura*

" *crystallina*

Helix rotundata

" *hiopida*

" *memorabilis*

" *arbutus*

at the roots of Lady Fern + among nettles
 Many minute caten shells.

" *juncea*

Dead only.

" *rusticatus*

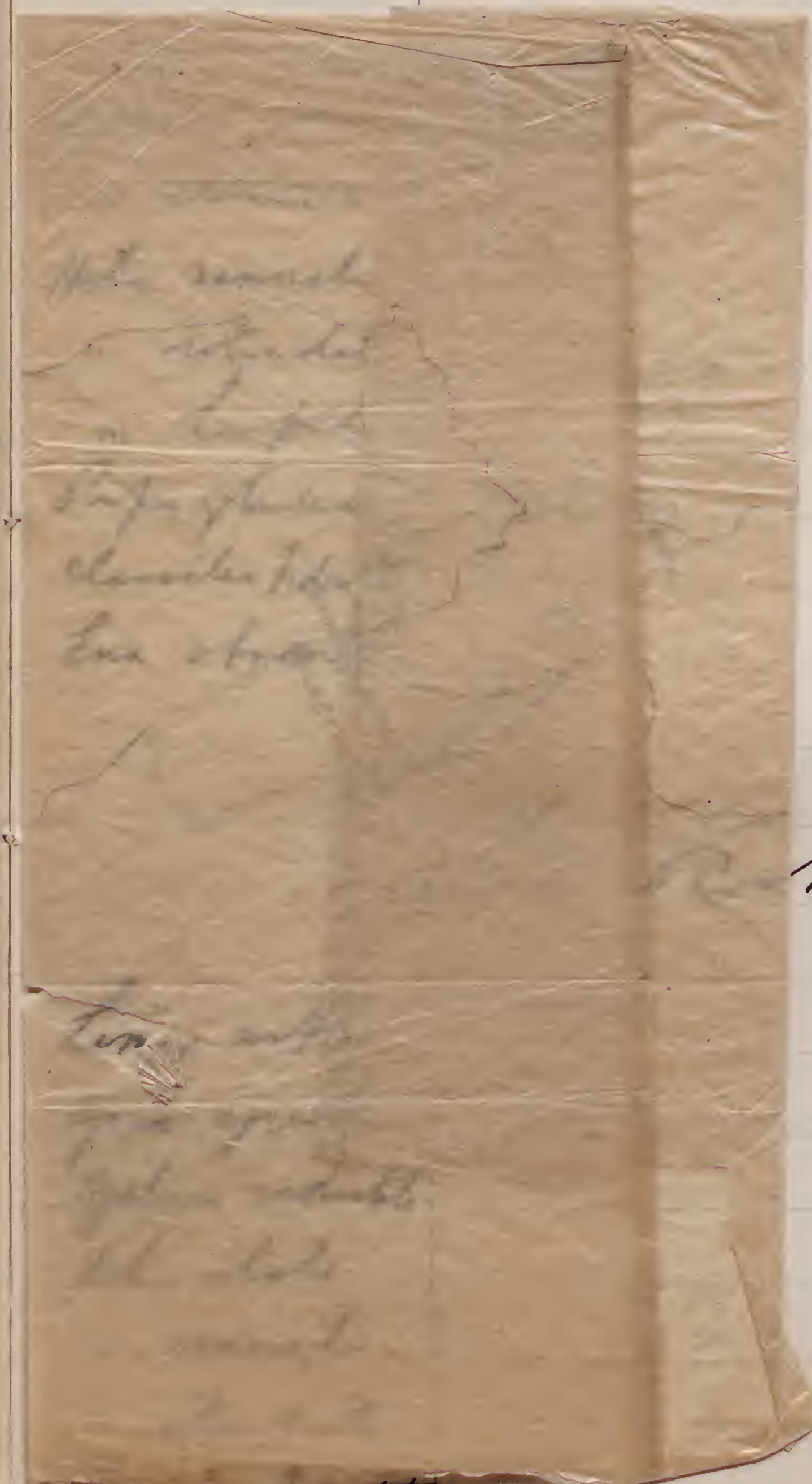
on chalk cliffs above Killybegs.

Coel. latuca

Classilis fiduciosa

Pupa gibbosa

Chalk cliffs at Waterloo, Lanes, Co. Antrim.
 A.D.S., P.W. & F.B.B. 24.7.10



K., Portrush. A.D.S. 20.8.10

Classilis, punctata



Gallagh Bore continued
 Path below cliffs 600-500 feet.

Lima arbutum
Aprio. apertus
Arion ater
 " *rufus*
 " *intermedius*
 " *procreatus*
Vitrea pallasi
Hyalina allium
 " *nitidula*
 " *pura*
 " *crystallina*
Helix rotundata
 " *hippida*
 " *remorali*
 " *arbutum*
 " *junca*
 " *rupestris*
Coel. laticosta
Claviclea pidentata
Pupa ybiduosa

at the roots of Lady Fern + among nettles
 Many more caten shells.

Dead only.

on chalk cliffs above Killybegs.

Chalk cliffs at Waterloo, Lanes, & anti.
 and S., RW & F.R.B. 24.7.10

Hyalina allium
 " *allium*
Helix remorali
 " *rotundata*
 " *hippida*
Pupa ybiduosa
Claviclea pidentata
Ena otocura

White Rock, Portrush. and 20.8.10

Lima arbutum
Aprio. apertus
Hyalina radiata
Helix itale
 " *remorali*
 " *rotundata*
Claviclea pidentata

Bush Mills, Co. Antrim. A.W.S. 20.8.10
 East bank of Riv. Bush between town
 + the Salmon Leap.

Agrio. apertus
Aris. ater
 " *caespitosus*
 " *hortensis*
Hyalina cellaria
 " *alleiana*
 " *nitidula*
 " *pura*
 " *radiatula*
Helix pygmaea
 " *rotundata*
 " *livida*
 " *nemorali*
Coch. lubrica
Campyl. min.
Pupa anghica
 " *cylindrica*
Vestigo pygmaea
 " *substriata*
Angh. floridula

Common.

Limnaea peregrina River Bush.
Planorbis alba " "

" *canaliculata*? Very young specimen
Valvata pinnata
Bythinia tentaculata
Pisidium

(246)

+ *Physa fontinalis*
 very young

Unio marginatus Common in channels above Salmon Leap -
 July or August 1902 (A.W.S.).

Barwickferry, Antrim. A.W.S. 27.8.10

Agrio. apertus Castle.
Limnaea stagnalis on wall at Barn Mill.
 " *flavus* Castle
Hyalina alleiana Castle
Helix aspersa "
Pupa cylindrica "
Clavella hidrata Flynn Park
Limnaea peregrina " "
Angh. floridula " "

Moria + Myherlin, Co. Down.
3/9/10.

Agrio. apertu
Arion suffusus
" hortensis
Hyalinia cellaria
Helix retundata
" leopida
" nemoralis
" aspersa.
Claudis identata
Succinea patris
Linnia purga
" palustris

Myherlin, Larrin
A Lagan.

In ditch along side canal at Moria
Station in a very slender form.

" truncatula
Physa fontinalis
Planorbis carinata
Valvata cristata
Bythin tentaculata
Sph. cornu.
Moria
Myherlin.

September Trip, 1910.

Tralee, North Kerry.

Field + walls at head of Estuary.

aws + R. Welch. 16.9.10.

Agrio. apertu
Milo. sordidus
Arion ater
" fasciatus
Hyalinia lucida
" cellaria
Helix retundata
" aspersa.
" suffusus.

Vari. atrovirens + castanea.

a fine number at base of wall.
Rare. only dead found.

Fine specimen on wall.

Two distinct forms.

- (a) A compact high spired form
in vegetation along sea dyke.
Very like a large form of H. leopida
- (b) A more normal form at base of
wall. Young specimen more about
flat.

" itala
" virgata
" aspersa.
" granulata.

Several dead shells at base of plants

Tralen estuary continued.
just above high-water mark.
It was too dark to look for
living specimens, which were
probably close at hand.

Coch. lubrica

Carych. min.

Succinea flappii

Vertigo pygmaea

Clavella pidentata

Phyla myosotis

Paludicola jenkinsi

Purpura glandulosa

" muscorum

One dead - tidal rejectamenta
In enormous quantities in field drain

Dead specimen only.

Pool on left of Road between Tralen
& Ardfer. N. Kerry. 17.9.10

Limnaea peregrina

Planorbis altern

" cristata

Physa fontinalis

Physa

247

Ardfer & Ballin Prior, North Kerry.

Ans & R.W. 17.9.10.

①. Ardfer atty

②. Ardfer Village & 'Cathedral'.

③. Ballin Prior Sand Dunes.

④. " " Marsh.

Agriol. aperta Common.

Anem. intermedia In fosse of 'Lea' on road to Ardfer.

" fasciata ②

Vitrina pallens ①. Several, but apparently rare.

Hydrobia cellaria Common. 1. + 2.

" allensis Rare. 2.

" nitidula Rare. 1.

" crystallina

" radiatula

" picea ?

Helix rotundata 1 + 2.

" rupestris 1 + 2.

" pulchella Vallonia cacontus, Starki. 2.

" cooperata 2.

" virgata Common 2 + 3.

" itala Common at 2. Rare on Sand dunes. 3.

Ardfert + Ballin Prior, continued

- Helix aspersa*. 1, 2, + 3. Common.
 " *remorali*. Very fine + common at 1. Only
 a few dead shells seen at 2.
 Common on Sand Dune (in places).
 " *reflexa*. Common 1. + 2.
 " *lipida*. Very rare 2.
 " *granulata*. Very abundant at roots of nettles
 + other plants, growing in the Abbey
 ①. Most common on the 1st floor
 ruined dormitories, to N-E of
 the Cloister.

- Coch. lubrica*
Carychi min. 2. Rare.
Pupa muscorum 2. Rare.
 " *cylindracea*
Clausilia bidentata
Vertigo pygmaea 2.
Limnaea pygmaea 4.
 " *truncatula* 2.
Aspleta hyalina 4.
Planorbis cristata 4.

- Planorbis spirorbis*. = *P. leucostoma*, Mich.
 " *unifilicata*. Typical specimen but all young.
Paludestris stagnalis. Many dead in marsh.
Pisidi

(248)

Collected in shell-pockets by R. Walsh.
 at Ballin Prior. 17. 7. 10.

DINGLE PENINSULA SURVEY.

A.W.S. AND R. WELCH.

SOUTH KERRY.

Lough Anseaul 250 feet alt.
aw S. 18/9/10.

Anagla flaribata

Limnaea puzos.

a lacustrine form.

" truncatula

not in lake, but close by under stone.

Physa fontinalis

Very abundant.

Pisidium carstoni

" gossionian

(249)

Lough Anseaul is apparently the lake from which Planorbis cornua was reported to have been taken (see I.N. p. 1, 1908). Thinking that the record if correct was more likely to refer to Clona (Helix) quinqueperforata - a shell found in N. Portugal & Brittany - I could not pass the locality without a search. Nothing however rewarded my efforts & though it would be a strange place for P. cornua the shell might possibly occur there.

Roadside from Anseaul to
Lough Anseaul. aw S. 18.9.10.

Agriol. agrestis

Anom. ater

Hyalea crystallina

Helix nemoralis

One beautiful red shell, 00300, with white line under³." ~~aspera~~

" aspersa.

Limnaea puzos

In boggy pool.

" truncatula

(250)

Pupa ybidia

Coh. labia.

Carriack Blagher Cliffs, north-west of Lough
Anseaul. 250-500 feet. aw S. 18.9.10.

Agriol. agrestis.

Anom. ater.

Var. costacea + planica, with yellow fringes.

" intermedia

Hyalea allicaria

" crystallina

Helix rotundata

Pupa angbia

Mostly pale, clear, Lona colour.

" cyathina

Var. anconostoma.

Sph. edentata

Carriacklagher Cliff, continued.
250/500 feet.

Vestigo pygmaea.
" *substriata*.
" *carych-min*.
Coch. lubrica.
Succinea pfeifferi

Just above lake shore.

B. Shells were most abundant
at about 400-450 feet alt.

Ditto ditto, 500-1000 feet alt.

Agrio. apertis
" *laevis*.

Arim ater.

Var. ~~aterrima~~ *aterrima*.

Hyalina alluvina

" *radiatula*.

" *crystallina*.

Purp. cylindrica

" *anglica*.

Vestigo pygmaea

Coch. lubrica

Carych-min

Linnæa truncatula

1100 feet alt.

Lough Fooreenmartin
1200 feet alt.

1/2 mile N.W. of Knockmfulenare. A small stony
lake with *Scotus lacustris* (?) & the plants,
clean pure water & fish.

Arim ater. Var. *aterrima*.

Amylus fluviatilis Very common.

Pisidia ~~*aterrima*~~
lilljeborgi

Apparently common in the sandy mud
round the two grooks & among
the roots of *Scotus*. Verified by B.B.W.

(251)

Counarare Lakes, 1100, 1200 & 1350 feet alt.
Three beautiful lakes, lying in rock basin, with
splendid cliffs along southern side, 2 miles
east of Connor's Hill & 2 1/2-3 miles west of
Lough Fooreenmartin.

Arim ater.

Common up to 1850 feet on ridge west of lakes.

Amylus fluviatilis

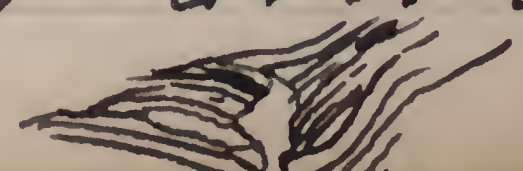
Common in all three lakes.

Pisidia ~~*aterrima*~~
lilljeborgi

In all three lakes. Verified by B.B.W.

In marsh at outlet of lowest &
largest lake.

(252)



Environ of Single Town.
R.O. 18. 9. 10.

<i>Agrio. agrestis</i> .	
<i>Milv. souleyi</i> .	almost black. Burnham Wood.
<i>Limn. naum</i>	Burnham Castle Woods.
" <i>flavus</i> .	" " Burnham
" <i>arctus</i> .	" "
<i>Arion ater</i>	" "
" <i>lutescens</i>	" " almost black above + light orange feet pale. The only specimen seen on the Peninsula
" <i>intermedia</i>	
<i>Hyalina allierii</i>	
" <i>radiatula</i>	
<i>Helix reticulata</i>	
" <i>lipida</i> .	
" <i>remota</i>	
" <i>aspera</i> .	
<i>Coch. lubrica</i> .	
<i>Pupa cylindrica</i>	
<i>Planorbis fidistata</i>	
<i>Bolea peruviana</i> .	

Marsh & Drain at Milton
Limn. peregina
" *truncatula*
Planorbis spirorbis (10)
Paludicola japonica.

Knockna Breeste Cliffs, Brandon Head.
200 - 1400 feet alt. a.w.s. + R.W. 19. 7. 10

<i>Agrio. agrestis</i>	
<i>Arion ater</i>	
" <i>rufus</i>	
" <i>intermedia</i>	
<i>Vitrea pellucida</i>	
<i>Hyalina cellaria</i>	Two dead shells at about 1200 feet. The highest record I possess.
" <i>allierii</i>	
" <i>nitidula</i>	
" <i>pura</i> .	
" <i>radiatula</i>	
" <i>crystallina</i>	
" <i>fulva</i> .	
<i>Helix reticulata</i> .	
<i>Coch. lubrica</i> .	
<i>Carych. min.</i>	
<i>Pupa cylindrica</i>	Var. <i>anemontoma</i> , Lowe.
" <i>anglica</i>	Rare.
<i>Planorbis fidistata</i>	
<i>Sphyrad. edentata</i>	
<i>Yutis. robusta</i>	

Pool 150 feet alt above Brandon Creek.

awd + R.W. 19.9.10.

Lemna peryes.
Pisidium

(253)

Bally Lough in old road from
Dingle to Brandon Creek. 19.9.10

Lemna peryes.

Pisidium nitidum (B.B.W.)

N.B. Very swampy & peaty.

1" ord. Turry. "Ballylough Lough"

(254)

Old Churchyard at Knockarrogan,
north of Dingle. awd + R.W. 20.9.10.

Agrio. agrestis

Arion ater

" *intermedius*

" *fuscatus*

Hyalina

Helix rotundata

" *renovata*

Propeyphidra

Gallarus + Inverwick Bay. awd + R.W.

20.9.10.

Agrio. agrestis

Milaxa sowerbyi

One fine dark specimen with red
markings at Gallarus Village.

" *fuscatus*

Lemna peryes

Gallarus. Near oratory.

" *arborum*

With *M. sowerbyi*.

Arion ater

Gallarus.

" *intermedius*

Vitrea pellucida

Gallarus.

Hyalina cellaria

" *alliaris*

Kilmalkeshan (R.W.)

" *radiata*

Kilmalkeshan (R.W.)

" *pura*

Gallarus.

Jon. nitida

Roadside marsh near Gallarus.

Helix rotundata

" *livida*

" *capitata*

Abundant round 'Oratory' in field.

" *virgata*

Very common from 'Oratory' to 'sea'

" *itala*

Very rare indeed.

" *farbina*

Abundant near sea on dunes.

Invernick Bay continued.

<i>Helix nemoralis</i>	Not at all common. None on Sand dunes.
" <i>aspera</i> .	Common, especially near Ballinranny.
" <i>pulchella</i> .	= <i>excentrica</i> Sturki. Very common under
Coch. <i>lubrica</i> .	{ Correct! G.U.S. 1924.
<i>Carychium</i>	
<i>Purpura cylindrica</i>	
<i>Bolea parvum</i>	Gallarus.
<i>Clavilix identata</i>	Gallarus + Kilmalkedar.
<i>Vertigo pygmaea</i>	Gallarus + Ballinranny.
" <i>substriata</i>	Gallarus.
" <i>antivertigo</i>	Gallarus + Ballinranny.
<i>Sphedon</i>	Gallarus.
<i>Succinea pfeifferi</i>	Gallarus + Ballinranny.
<i>Linnæa peregrina</i>	
" <i>palustris</i>	Gallarus.
" <i>truncatula</i>	
<i>Planorbis spiralis</i>	Var. <i>leucostoma</i> . Gallarus. } Both forms?
" "	XXXX " Ballinranny. } <i>P. leucostoma</i> , Miller
<i>Pal. jenkinsi</i>	Gallarus + Ballinranny.
<i>Purpura parvula</i>	
" <i>caerulescens</i>	
"	

(255)

Sand Dunes of Inch, Dingle Bay.

and. & P.W. 21.9.10.

<i>Agriolopha</i>	
" <i>laevi</i> .	Rare.
<i>Anion aton</i>	
" <i>intermedia</i>	Cliffs west of village
<i>Limonæa arborum</i> .	"
<i>Hyalina cellaria</i>	"
" <i>radiatula</i>	"
<i>Helix reticulata</i>	Taken at foot of cliff at west (north) end of strand.
" <i>pulchella</i> .	"
" <i>nemoralis</i>	Very large in little sea gully + finely coloured. Common in sand dunes but mainly small. Var. <i>caerulescens</i> 00300 + var. <i>hyalozonata</i> . a few white tipped.
" <i>itala</i>	Rare in sand dunes.
" <i>cooperata</i>	Common + large in many parts of the dunes, north, var. <i>ornata</i> .
Coch. <i>lubrica</i> .	Rare.
<i>Purpura cylindrica</i>	
<i>Clavilix identata</i>	On road side near Annascaul, not seen at Inch.

Inch continued.

*Succinea Pfeifferi**Limosa puzos*" *tumescens**Planorbis spiralis* Type in dried up drain in sand dune*Paludestris jaspensis* In mark at foot of sand dune.*Pisidium caertanum* " (256)

"

Sea Head, Ventry. A.S. & R. W. 22.7.10.
225 feet alt.*Agrius agrestis**Hyalina alluvina**Helix rotundata*" *remoralis**Pupa cylindrica**Coch. lubrica**Clavella pidentata**Vertigo puzos*

all collected by roadside at Sea Head, the most westerly point of Ireland (mainland) & Europe except the Orkneys & Azores

Glenfahan, near Sea Head.

220 feet alt. A.S. & R. W. 22.7.10.

*Agrius agrestis**Anion subfuscum*" *intermedium*

all in list flow taken in moss.

Hyalina cellaria" *pura*." *radiata*." *crystallina**Panthera pygmaea**Helix rotundata*" *aculeata*" *canellata* Common." *remoralis**Coch. lubrica**Pupa anglica* Some var. alba, some dark." *cylindrica**Caudofoveata minima* Very common.*Unio lineatus* Over 200, including some left-handed spec.

Ventry Bay
A.S. + R.W. 22.7.10.

Apis agrestis

Apis atrata

" *intermedia*

Meloboris Ventry

" *gajata*

Vitrea pullata old churchyard in sand dunes.

Hyalina cellaria Two beautiful specimens at base of wall in Ventry. Very high spired, polished rich in colour + compact. Not quite full grown.

"

" *fulva*

Field at back of sand dunes near small salt-marsh.

Helix retusata

" *pulchella*

old churchyard.

" *liripida*

"

" *infusa*

Ventry. A small colony.

" *pygmaea*

old churchyard.

" *neurobi*

In field. Rare.

" *aperta*

old churchyard.

" *acuta*

Very common on parts of sand dunes.

Helix itala

" *virgata*

Common.

Abundant all over district. On sand dunes a few very large shells were taken & near edge of sea the var. *nigrescens* was common.

" *capitata*

Fairly common in places.

Coch. lubrica

Common in old churchyard.

Purpura cylindrica

Vertigo antevitijs

Field.

" *pygmaea*

old churchyard.

Succinea pygmaea

Field.

Limonium peregrin.

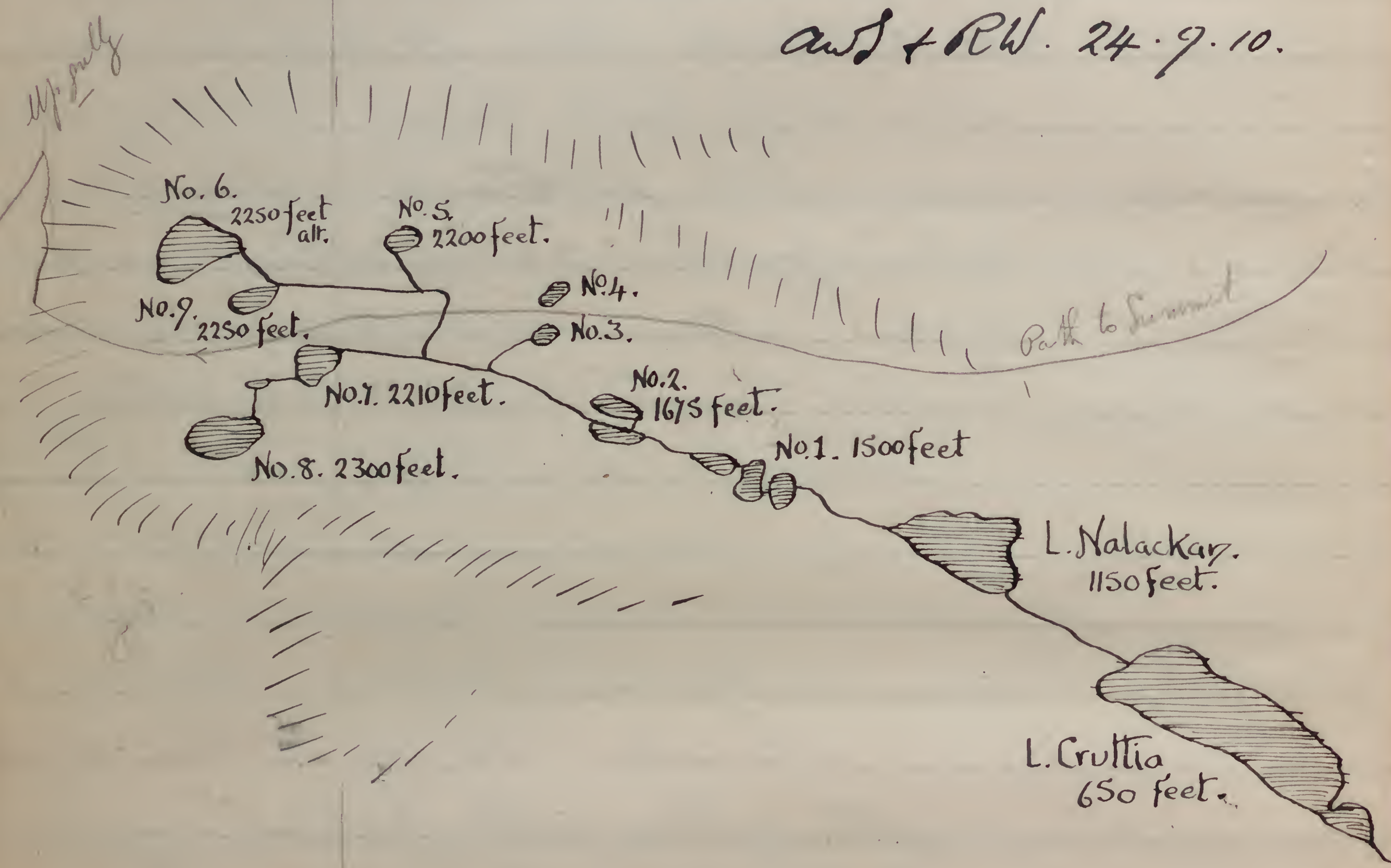
Drain in field.

Planorbis spirorbis

With *L. peregrin.*

(257)

Couma knock Lough
 Brandon Mountain
 AWS + RW. 24. 9. 10.



Lough No. 8. alt. 2300 feet.

Anypha flavitellus Very abundant but small.
Pisidium ~~obtusale~~ ~~obtusale~~
 " *personatum*
 " *nitidum*

(259)

NB. All *Pisidium* "pusillum"
 & some of the other species from the
 Brandon Tarn are really *P. personatum* & *P. nitidum*
 R.W.S. 1939.

Lough No. 9 alt. 2250 feet.

Anypha flavitellus Very abundant.
Pisidium obtusale
 " *nitidum*
 " *pusillum* } Named by Mr. B. B. Woodward.

(260)

Lough No. 6 alt. 2250 feet.

Anypha flavitellus
Pisidium ~~obtusale~~
 " *pusillum* } "Very thin, somewhat distorted" } named by
 " *obtusale* } B.B.W.

(261)

Courmackerock Lough continued.

Lough No. 7. alt 2210 feet.

Anaglus fluvialis Common + the largest seen in district

Pisidium ~~obtusale~~

" *obtusale*

" *pusillum*

} Named by B.B.W.

(262)

Continued 25th Sept. 1910.

Lough No. 2. alt. 1675 feet.

Anaglus fluvialis.

Pisidium obtusale

" *milium*

" *personatum*

" *nitidum*

" *pusillum*

} Named by B.B.W.

(264)

Lough No. 7. alt. 1500 feet.

Anaglus fluvialis

Pisidium nitidum

"Very thin, light form". (B.B.W.)

(265)

Collected by P. Welch in Lakes

Nos. 6, 7 + 9.

(263)

24th Sept. 16.

Lough No. 5.

(266)

Lough Malinbeg.

(267)

Lough Crutty. alt. 650.

Anaglus fluvialis

Limnaea pumila

Pisidium pusillum

Very rare, near inlet only.

a form going towards *L. praetensis* Powell.

"Very thin, light type, slightly abnormal" (B.B.W.)

(268)

Old Church + marsh at Cloghane.
 Aust + R.V. 25.9.10.

<i>Agrius apertus</i>	
<i>Milax gagates</i>	(brown form) old church.
<i>Limax maximus</i>	old church.
<i>Arion ater</i>	" " var. plumbeus.
" <i>suffusus</i>	In marsh along old lane near church.
" <i>intermedius</i>	" "
" <i>fasciatus</i>	" "
<i>Hyalina cellaria</i>	old church.
" <i>nitidula</i>	" "
" <i>crystallina</i>	" "
<i>Helix reticulata</i>	" " + Marsh. Many white in church.
" <i>lipida</i>	" " " "
" <i>copulata</i>	On wall at Hotel + wall round church.
" <i>nemoralis</i>	One beautiful spec. with pink lip at Lake. Also in old ch.
" <i>aspera</i>	Old church. Dead only.
" <i>rufescens</i>	In garden of Hotel on <i>Arabis altida</i> .
<i>Coch. lubrica</i>	Old church.
<i>Claussia fidentata</i>	" "
<i>Cyprina fluminea</i>	" "
" <i>anglica</i>	In marsh. <i>Limnaea truncatula</i>
<i>Vertigo pygmaea</i>	In old church. - marsh.
" <i>antivertigo</i>	In marsh.

Stradally near Carragee. 26.9.10
 Aust + R.V.

1. old graveyard below village.
2. Sand dune.
3. Lough Gill.
4. Marsh 1 mile west of Lough Gill.

<i>Agrius apertus</i>	1. 2. 4.
<i>Limax maximus</i>	1.
" <i>ater</i>	1. Very common. Pale form.
<i>Milax gagates</i>	1. Quite abundant, large + all pale brown.
<i>Arion ater</i>	1. 4.
" <i>suffusus</i>	1.
" <i>intermedius</i>	1.
" <i>fasciatus</i>	1.
<i>Hyalina cellaria</i>	1. 2.
" <i>nitidula</i>	1. 2. 4.
<i>Zon. nitida</i>	4.
<i>Helix reticulata</i>	1. 2. 4.
" <i>lipida</i>	2. Rare.
" <i>rufescens</i>	1. 2.
" <i>granulata</i>	2. 4. Very common; under stones + at roots of sedges + nettles.
" <i>palustris</i>	4.

Stradally continued.

- Helix itala* 1. 2. 4.
 " *asperata* 1. 2. 4. Very abundant on wall & in some places on the fine sand dune 1/2 west of the old church yard road. The latter very like the Hornhead shells.
 " *nemorali* 1. 2. 4.
 " *aspera* 1. 2. 4.
Coch. lubrica 1. 2. 4.
Carych. min. 2. 4.
Pupisyllidum 1. 2. 4.
 " *anglica* 2. 4.
Balea perversa 1. Very common on north wall road church.
Clavella fidistata 1. 2. Extraordinarily abundant in parts of the church yard.
Vestigo pygmaea 2. 4.
 " *antivestigo* 4.

Succinea Pfeifferi 2. 4.
Limnaea peregrina 2. 3. 4.
 " *truncatula* 4.

Physa fontinalis 3. 4.

- Asplecta Lymnaea* 4.
Planorbis albus 3. 4.
 " *crista* 3. 4.
 " *spirorbis* 3. 4.
 " *fontana* 4.
Valvata cristata 4.
Sphaerium come 4.
Pisidium *canaliculatum*
 " *littoralis*

Also *Paludicola* *truncatula* 3
fontinalis

Physa *glabra*
musculi

L. fil.

270

271

Fernyale Wood, Brandon Bay
S. Kerry. AWS & RW. 26.7.10.

Agriol. agrestis
Arion suffusus

" *intermedius*

Vitrea pellucida

Hyalina nitidula

"

" *pura*.

" *radiatula*

" *crystallina*

Helix rotundata.

" *aculeata*. One specimen crawling on piece of stick

" *camellata*. One specimen = moss shapings

" *fusca*. On *Luzula*.

Coch. lubrica.

Carychium min.

Pupa anglica.

Moss shapings.

" " Var. *helmii*.

Sphradin edentata
Vertigo subtristata.

Castleprejory Junction. S. Kerry.
AWS & RW. 26.7.10.

Limax maximus

Agriol. agrestis

Hyalina nitidula

Helix rotundata

" *rupestris*

" *rufescens*.

" *venusta*.

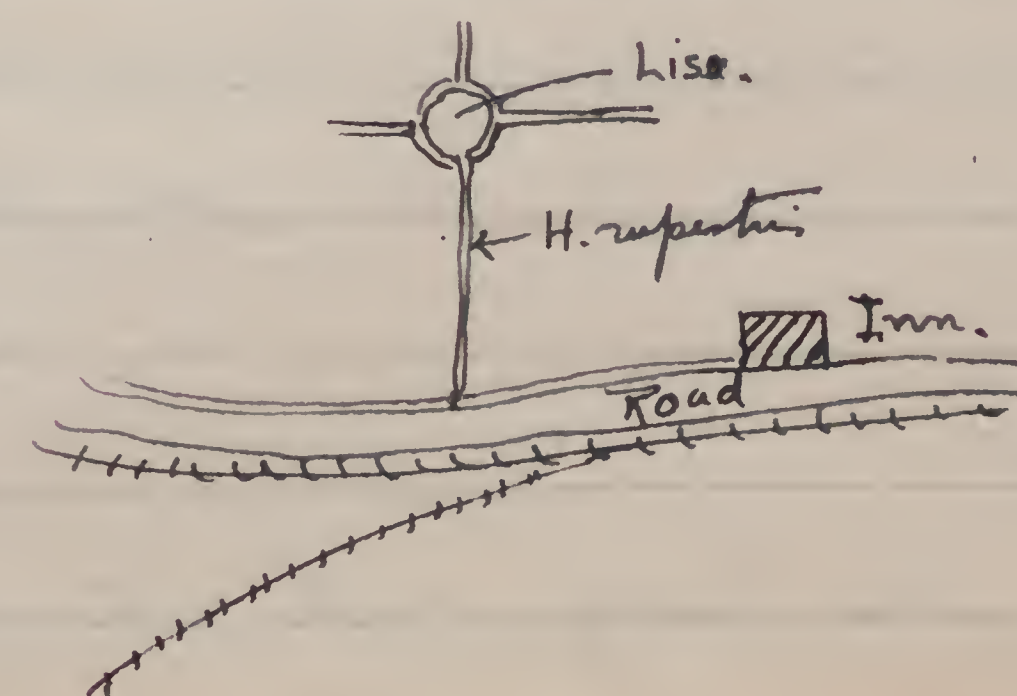
Coch. lubrica.

Pupa cylindrica

Clavaria fidentata

Vertigo pygmaea.

all collected in fields below
Railway Station. The *Helix rupestris*
seemed only common on one portion
of an old mortared wall, while
several other species were only
seen in the old Linn.



Maryborough, Queen's Co.
 and P.W. + P.A. Phillips. 28.7.10

Milax cornuhy

Agrio. apertis

Hyalina alluvia

Arion ater

Helix retundata

" *rustica*

" *virgata*

" *intersecta*

" *itala*

" *pubera*

" *pulchella*

" *rufescens*

" *aspera*

" *memorata*

Rare.

" *hortensis*

Common. One spec. 00300 *litellata*. This is
 I believe the first record for
 this bad formula in Ireland.

Coel. lubrica

Pupa glindrae

muscorum

Clavella fidentata

Lacina putri

One ledge with *H. memorata* + *H. hortensis*

Monasterevan, Kildare.

and P.A. Phillips. 28.7.10.

Lemna maxims at base of walls of old house alongside dock.

Agrio. apertis

Vithina pellucida

Hyalina crystallina

" *lucida*

at base of walls with *L. maxims*.

" *cellaria*

" *retundata*

P.A.P.

Arion ater

" *hortensis*

" *intermedia*

Helix retundata

" *rustica*

" *virgata*

" *intersecta*

" *itala*

" *pubera*

" *lipida*

" *rufescens*

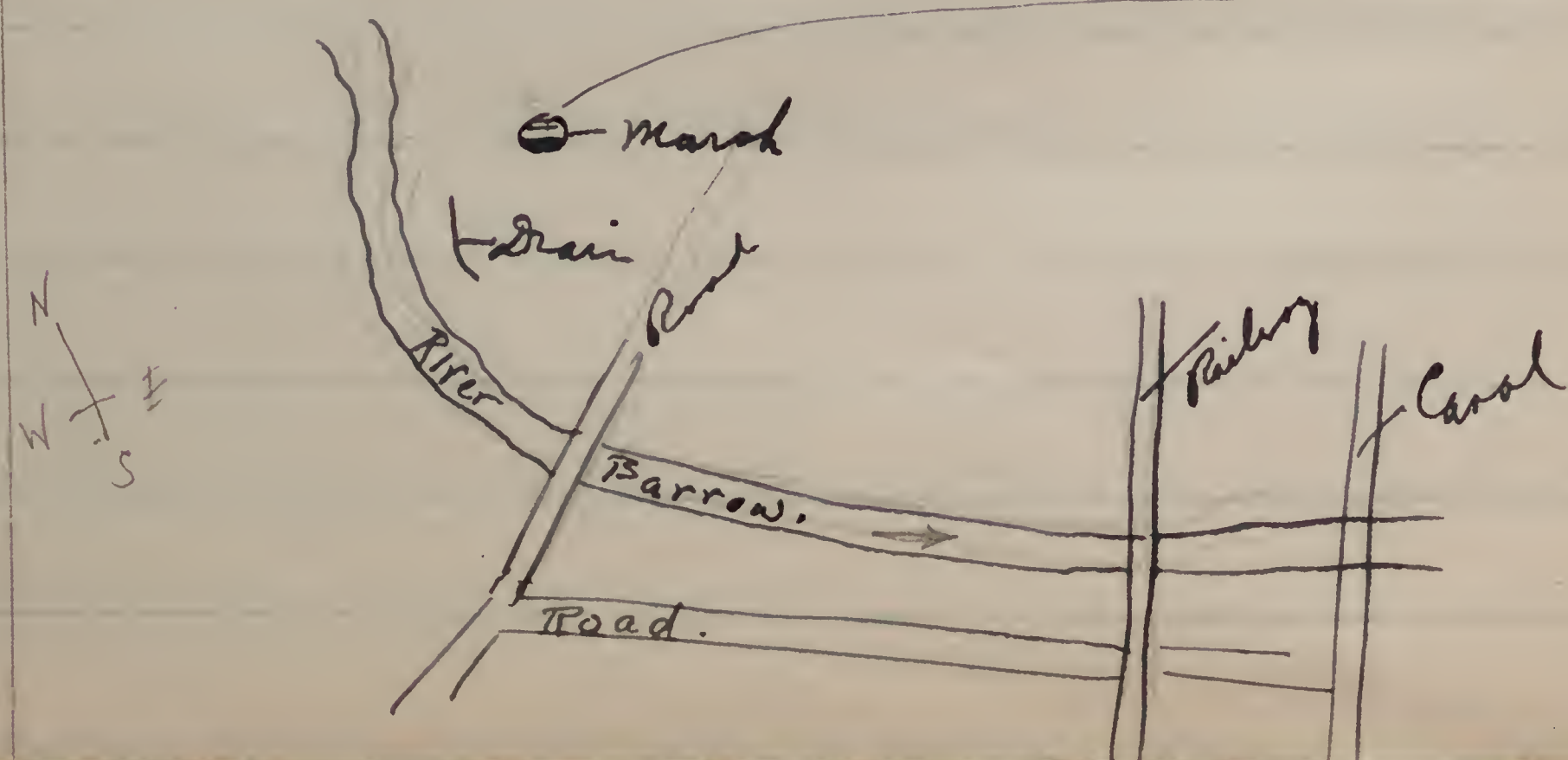
" *pulchella*

" *aspera*

" *memorata*

" *hortensis*

Monasterian continued

*Coch. lubrica.**Purp. cylindrica**Vestys pygmaea**Bolca perversa* one dead specimen along canal.*Clavella plicatula**Puccinea piffieri**Carychium minus**Limonaea peryae**" auricularia* Several in canal at lock west of town. (on stonework of lock.)*" palustris**" truncatula**" stypacalis**Planorbis cornu.* In drain, rare, but very common in a large marshy pond in the middle of a field west of town (1. mile).*Planorbis albus**" carinata**" umbilicata**" spirorbis**" costata**Physa fontinalis**Aplousia typica**Bythinia tentaculata**" leachii**Valvata cristata**" piscinalis**Sphaerium cornu.**" lacustris*

a few dead shells beside a sick tree, 1/2 mile west of town, in canal, where we took several in Sept. 1906.

Pisidium amicum

Dead in River.

*" fusarium**" subtruncatum**" costatum*

272

NB. I was mistaken the Hill of Allen is
not the Chair of Kildare, which latter place I have not yet visited.
Newbridge & The Chair of Kildare.
Kildare. and. 29.9.10.

Collected on the "Chair" or as it is sometimes known
→ "The Hill of Allen"

The Hill is formed of old Red & Silurian rock
rising from the Central Limestone plain &
is covered with "blex", "Rutae" & "Pteris"
with grass & some Rock on summit.

My reason for visiting the locality was
the desire to verify, if possible, the old
record for *Helix pisana*. I found no
terophila on the Hill, but *H. itala*
is common about 1 mile from its base
on the road towards Newbridge.

Limox maximus In yard of old ruined farm on
South side of "Hill"

Agriol. agusti Summit of Hill.

Anis. ater " "

" *luteus* In farmyard.

" *praeata* " "

Hyalina cyathella Summit of Hill.

I have not yet visited.
and. Jan. 1911.

Helix lutea

" *lutea*

Summit of Hill

Common all over Hill, to very summit,
in shells & fragments. Could this
be the "*Helix pisana*" of No! and.
old record? 1911

" *palatella*

" *aspera*

Farmyard.

Pupa glendae

Summit of Hill.

Feeder of Grand Canal South of Hill
of Allen. and. 29.9.10. (Arch. limestone)

Agriol. laevi

Hyalina fusca

Helix palatella

" *itala*

Coch. lubrica

Carych. mini

Vertigo pygmaea

" *arturata*

Succinea pfeifferi

Physa fontinalis

In field below canal.

" "

" "

Bank of canal.

In field.

" "

" "

" "

" "

In canal.

Grand Canal, Hill of Allan, continued.

Limnaea peregrina" *stagnalis*" *palestinensis*" *truncatula**Planorbis contorta* In drain in field." *carinata**Amphipeplea glutinosa*

Common in very center of Canal crawling on the fine mud. I was enabled to reach it from a small foot-bridge which crosses the canal on the Newbridge side of the Hill of Allan. Water about 4 feet deep. Shells nearly full grown.

*Byth. tentaculata**Glyphis communis**Pisidium*

"

"

B. No. B. Leachii. to be seen

(273)

Collected along roadside from Newbridge to Hill of Allan. Aug. 27. 9. 10.

*Agriolimax**arvensis**Helix reticulata*" *hispida*" *reflexa*" *italica*" *capitata*" *virgata*" *remota*" *hortensis*" *aspera*" *rustica*.

} Common at Newbridge.

One specimen in ledge at Station.

Very common.

Station.

END OF SEPT. TRIP 1910.

Hot-houses &c in Lord Annesley's Demesne
at Castlewellan, Co. Down.

A.W.S., R.W. & Miss H. Foster. 8.10.10

- Agriol. Cænis*? The green slate-purple form common in many
conservatories.
- Arion hortensis*. In garden.
- Hydrobia lucida*. Common in all hot-houses.
- " *cellaria*. One spec. outside under top. Eaten by the
Hy. lucida on way home.
- Helicodiscus lineatus*. Common among yellow ornamental *Lycopodium*
in several hot-houses.
- Helix rotundata*. A few specimens in one house. Normal.
- Subulina octona*. In pot of *Fegatella* (?) sp. in one house only.
Seemed confined to the one plant (almost)
- Carychium* ? *minim*
Same form as at Glenties. Small; dark animal
& ref. the teeth → (D)
- Physa costata*. Common in several tanks.
- Hydrobia allium*. Var. *viridula* (R.W.) at Ry. Station.

Magheramorne. Co. Antrim

Collected in Quarry. A.W.S. & R.W. 29.10.10

- Agriol. agrestis*
Arion ater
" *circumscriptus*
" *hortensis*
Hydrobia cellaria
" *nitidula*
Vitrina pellucida
Helix rotundata
" *hispidula*
" *remorata*
" *capitata*
Coch. lubrica
Carychium minim
Capra cylindrica very large; with fine strong lip & teeth.
Vestigo pygmaea? One spec. but lost before identified.
Clavus bidentatus
Linnæa truncatula

all collected near exit of
quarry, close to main Road.

Collected in cutting under trees on main Road
200 yards N. of Quarry.

- Agriol. agrestis*
Arion ater

Mayhemore continued

Arion hortensis

" *circumscriptus*

Hyalina cellaria

" *nitidula*

" *fulva*

Helix retundata

" *lipida*

Coch. lubrica

Bufo cylindrus

" *anphica*

Var. alta. Under ivy above small pool.

Clavus dentatus. Very abundant. 200 on one tree up to 6 ft. above ground.

Aene lineata. Under sunk stones.

(549)

collected on railway embankment near small salt pool between road & railway.

Hyalina nitidula Var. nitens. Very like south-eastern English spec.

Helix lipida

" *refersus*. a queer form.

" *coarctata*. a small form.

" *virgata* a very light spined form resembling *Drafi*.

H. maritima from N.E. France.

Helix nemoralis. 00300 *rufella*.

N.B. all the shells collected on the railway appear to have been brought with ballast (see I. Nat. vol. 1. p. 33. 1906)

I think they all come from N.E. coast of France. There are also introduced plants, woodlice & probably other forms of animals.

Cliffs along south of Howth Head, Dublin
A.W.S. & P.W. 10.12.10

Agrio agrestis

Milax rostrata

Arion ater

" *suffusus*? Very doubtful. Probably from form of *A. circumscriptus*

" *circumscriptus*

" *hortensis*

Vitrina pellucida

Hyalina cellaria Rare

" *alliana* Very common.

" *nitidula*

Howth continued

<i>Hyalina pura</i>	
" <i>crystallina</i>	
" <i>fulva</i>	
<i>Helix retundata</i>	Very large, high spired and common.
" <i>aculeata</i>	one spec.
" <i>hiipida</i>	
" <i>nemoralis</i>	ooooo, oo300 + type <i>rebellis</i> .
" <i>aspera</i>	Dead.
" <i>barbata</i>	Dead.
" <i>itala</i>	Dead.
" <i>virgata</i>	Near Howth town. P.W.
" <i>costata</i>	one spec.
<i>Coch. lubrica</i>	Not common.
<i>Pupa cylindrica</i>	
<i>Clavicornia bidentata</i>	

Kilternan and The Scalp. Dublin
 A.S., P. Welch, P. A. Phillips and R. L. Praeger.

<i>Agrio. agrestis</i>	
<i>Linax armen.</i>	Common in the woods at the Scalp. A pale form.
<i>Milax grayana</i>	Several by roadside near Kilternan
" <i>cowleyi</i>	" " " "

<i>Arion ater</i>	Kilternan
" <i>hortensis</i>	"
" <i>circumscripta</i>	"
" <i>intermedia</i>	The Scalp.
<i>Vitrea pellucida</i>	Common everywhere.
<i>Hyalina cellaria</i>	Rare.
" <i>alliarum</i>	Common at the Scalp.
" <i>nitidula</i>	Kilternan.
var <i>helmi</i>	Common at the Scalp. Fine specimens.
" <i>pura</i>	The Scalp.
" <i>crystallina</i>	"
<i>Helix retundata</i>	Woodland form common at the Scalp. Types at Kilternan.
" <i>fulva</i>	Common at the Scalp.
" <i>hiipida</i>	" " Kilternan. A few at the Scalp.
" <i>rufescens</i>	" " " "
" <i>nemoralis</i>	Both localities.
" <i>hortensis</i>	One var. <i>arenicola</i> at Kilternan.
" <i>aspera</i>	Kilternan
" <i>virgata</i>	"
" <i>cooperata</i>	"
<i>Sp. edentata</i>	The Scalp. Several.
<i>Eua obscura</i>	Kilternan, at base of walls along ditch.

The Scalp continued.

Coch. lubrica. not common.

Pupa muscorum Kiltarnan (P. A. O.)

" *cylindrica.* " common.

Blauridea fidertata Common

Carychium common. Very large at The Scalp.

Balca pumila. Very abundant on wall from Carrickminn to Kiltarnan.

The Scalp and Ennisbeg, Wicklow.

Aut. J., P.W., P.A.O., and P.L.P. 11-12-10.

Agrius agrestis. Common.

Linastrum artem. Woods between Scalp + Ennisbeg.

Milva ruficapilla. " " " "

Orion ater. " " " "

" *suffusus.* " " " "

" *intermedius.* " " " " + in flos at latter.

" *luteus.* Common

" *circumscriptus.* Common.

Vitrea pellucida. Common

Hyalina cellaria. Rare. Ennisbeg.

Hyalina alleni. Common.

" *nitidula.* Frequent. var. *nitens*

" *pura.* Rare.

" *radiatula.* A few specimens at Ennisbeg.

" *crystallina.* Woods.

" *fulva.* " "

Helix pygmaea. Along roadside (P.W. + P.A.O.)

" *costata.* " " " "

" *rotundata.* Common. Woodland fane.

" *liripida.* " along roadside.

" *rufescens.* Frequent " " "

" *expansata.* " " " "

" *virgata.* " " " "

" *venusta.* " " " "

" *aspera.* " " " "

" *camellata.* In woods along Corkston River at Ennisbeg.

Sph. edentula. Along roadside. (P.W. + P.A.O.)

Ena brevis. " " " "

Luccinea putris. " " " "

Vertigo pygmaea. " " " "

Pupa muscorum. " " " "

" *cylindrica.* Common.

Enniskerry continued
Frequent.

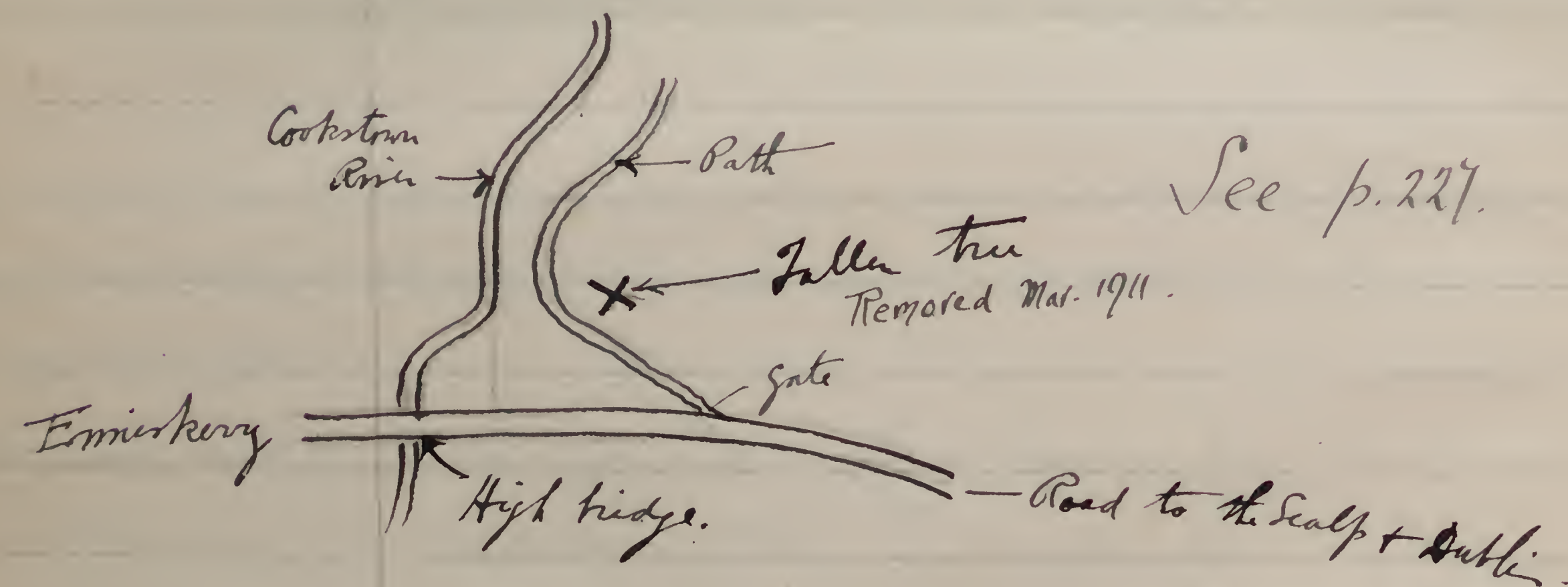
Coch. tubicula

Carychia nina

Glaucilix fiduata

" *laminata*

One fine specimen under a pine log
in woods along north bank of the
Cockstown River above Enniskerry &
about 200 yards from main road.
(See map) First record for east
of Ireland.



Note.

H. asburton

Spec. in Dublin Museum from Fermanagh collected
by P. L. Brauer are labelled "Cliffs of Sheen, over-
looking L. Erne".

Botanic Park, Belfast anti.

and + RW. 3.12.10.

aprio. laevis? Purple (introduced) form.

apertus *nativus*

Zonitoides minutulus Common in many of the Lanes.

Subulina octona Common.

Spean goodelli Common.

Physa sp? In the lily tank of Fermanagh.

Killough to St John Pt, Down

A.W.S. & R.W. 27. 12. 10.

(Also a few sp. from Downpatrick. A.W.S.)

- Agrio. apertus*.
 " *laevis*. One spec.
Milax pagator (Also common at Downpatrick)
 " *sowerbyi* Downpatrick only.
Limax maximus " " "
Arion ater Var. reticulata very common near Coast G. St.
 " *suffusus*.
 " *circumscriptus*.
Vitrina pellucida. St. John Point.
Hyalina cellaria. St. John Church.
 " *alliaris*. St. John Church.
 " *pura*.
 " *crystallina*.
Helix ~~punctata~~.
 " *costata*. West of St. John Pt.
 " *lispida*. Common. Also very abundant at Downpatrick.
 " *nemoralis*.
 " *hortensis*. In 1899 I took one (type) specimen of this shell below the water-works, in a hedge, at Downpatrick, but none were observed near the town today.

Killough to St John Pt, Down

- Helix aspersa*. Common. Especially near Light Ho. at St. John Pt.
 " *rotundata*.
Arch. lubrica. Rare.
Pupa cylindrica.
Vertigo pygmaea One specimen near C.G. Station.
Clanville pidentata.
Succinea pfeifferi West of St. John Pt.
Linnaea peregrina.
 " *palustris*.
 " *truncatula*.

Glen between Groganstown & Colli Glen.

A.W.S. & R.W. 31. 12. 10

- Limax maximus*
 " *arborum*.
Agrio. apertus
Arion ater
 " *suffusus*
 " *intermedius*
 " *hortensis*
 " *circumscriptus*

NB. The late J.C. Hyndman
 once found a spec. of
Vert. pusilla in
 "Grogan's Glen". Neither
 Mr. Welch nor myself
 have ever been able
 to find another specimen.

Ballycraig Bridge, 2 1/2 miles north of Larne
on an old road to Glenarm via Capin Castle Church.
Antennae. A.S. 24.12.10.

Hyalina crystallina

Helix rupestris

" *p*

" *pygmaea*

" *rotundata*

Pupa cylindrica

Clavicornis fidentata

a few specimens on the parapet of the bridge
which is built of sandstone & chalk.

The cliffs (north) of Knockdu, Sallagh Brae.
Antennae. A.S. 24.12.10.

800-900 feet alt.

Agrio. agrestis

Brown form.

Anis. ater

" *suffusus*

Dark form.

" *circumscriptus*

Vitula pellucida

Hyalina albicincta

" *nitidula*

" *pura*

" *crystallina*

Helix rotundata

" *limpida* Flat, with few hairs.

" *pura*

Pupa cylindrica

Clavicornis fidentata

Collected for me by F. Balfour Brown Esq.
in the Marshes near Point of Air,
Isle of Man. 1. 7. 10

Limnaea pueya
" *auricularis*

Planorbis altern

Sphaerium cornu

Pisidium milium

" *rufum*

" *coarctatum*

" *pulchellum*

" *parvum*

(274)

END OF 1910.

Season 1911.

Crow Glen, Belfast. A.S. & Symonds
Antrim. 500-600 feet alt. 19. 2. 11.

Limnaea maximus One very young specimen near Ligoniel.

Agrion agreste Type + purple form.

Anisus ater Black + brown forms.

" *suffusum*

" *intermedium* type.

" *circumscriptum* Brown + grey forms.

Vitrea pellucida Some animals ~~are~~ dark colored, but one quite pale.

Hyalina cellaria A few dead near Ligoniel.

" *allearia* Dead.

" *nitidula* Rare.

" *pura* Common + fine. all type.

" *crystallina* " " "

Helix hispida Small + light species near Ligoniel, at base of flat
= the Glen.

" *rufescens* "Glencairn", in ledge. Much commoner than type.

" *memoralis*

" *arbutorum* Two young alive + several dead shells in
mistle beds, below water, in Glen.

" *rotundata*

Crows Glen continued.

*Pupa cylindrica**Clavella pidentata**Carychia mini**Acicula lineata* Probably common, type & var. alba, in little
glen above Wolf Hill mill, N.E. of Crows Glen.*Anagallis flavida* Above Wolf Hill mill & Crows Glen.*Linnaea purpurea* In Crows Glen below weir. Some very like *Linnaea*
hispanica *stadyon*!Knockdhu & Fallagh Brae. 800-800 feet.
Ant. 28. 2. 11*Agrio. apertus**" laevis* Fallagh Brae. 700 feet alt. *rupicola**Linnaea artem* Knockdhu, 1000 ft alt. var. *alpestris*.*Arion ater**" fuscus**" intermedius**Vitrea pellucida**Hyalina alleni**" nitidula**" pura**" crystallina*

Fallagh Brae cont.

*Eucorallus fulvus**Helix astundata**" pygmaea?**" rupestris* Very common on chalk outcrop between
Knockdhu & Sawt Hill.*" limbata**" nemoralis**" arbutum* Dead shells seen - at least 12 different
places in the Brae. A few young alive.
all type.*" fusca* Knockdhu & S. Brae.*Carychia mini**Pupa cylindrica**Clavella pidentata*

Hills trough, Don. ant. R. Welch & N.H. John

Agrio laevis (?) In lot - Don. The usual purple form. 26. 2. 11*Arion lentus* Very black.*Hyalina rogersi* B.B.W. A few living in the lot - Don with *H. lineata**Helicodiscus lineata* A few in lot - Don (R.W.)*Hyalina cellaria* & *Hygromia rufescens* were seen in the garden.

Lagan Canal, 1st - 3rd lock, Anttrim.
A.S. + J. W. Seymour. 4.3.11.

Arim ater.
" *lortensis*.
Hyalina cellaria
Helix retundata
Cyathium
Planorbis carinatus
Physa fontinalis
Limnaea pumila
" *palustris*
Glypt. canna.
Byth. tentaculata
Valvata cinctata
Pisidium mitchellii
" *parvum*..?

N.B. There is still no sign
of *Pal. jenkinsi* on the Anttrim side
of the river, though it occurs on the
down side of the first lock.
A.S.

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missing

Wolf Hill Glen, Belfast, Anttrim.
A.S. + N. Carrother. 11.3.11

Agrio. apertus.
" *laevis*.
Arim suffusum.
" *lortensis*.

Wolfhill Glen cont.

Vitruvia pellucida.
Hyalina nitidula.
" *pura*.
" *crystallina*.
Helix retundata
" *leipida*
" *pura*. A young sp.
" *aculeata*. One specimen only.
Pupa cylindrica
Clavus bidentatus
Anagallis fluvialis
Cyathium
Acicula lineata. See p. 215.

Crow Glen, Belfast. 4.3.11
(Anttrim.)

Agrio. apertus
Arim ater. young.
" *intermedium*
" *parvum*
" *lortensis*
Vitruvia pellucida
Hyalina cellaria

Craw Glen cont.

Hyalina nitidula

abundant.

" *pura*." *crystallina*.*Helix stundata*." *lispida*." *pura*." *nemoralis*." *arbutorum*.

In several places. Mainly var. *flavescens*.
all habitats above the weir. Little bit
near the stream seem to be its favorite
spots.

*Pupa cylindrica**Cochlicopa lubrica*. Rare.*Clausilia pidentata**Anagallis flavistylis**Limnaea peregrina*.

In mill race there is a very acutely pointed
form, quite like *L. auriculata* var. *acuta*.

Acicula lineata. In upper part of Glen. Probably common.

Botanic Park, Belfast, Antini.

Ant. S. R. O. & N. H. Foster.

Imitoida minuscula common in small

10-3-11

Hot-house at rear of conservatory.

Hyalina lucida. One dead shell in Palm-house at rear of
large Conservatory.

Sipulina octona. Very common along margin of Tank in "Jenny"
(P.W.) also common in Hot-house.

Opea goddalli with *S. octona*.*Physa* sp. In tank of Jenny.

Helicodiscus lineatus
was taken by R.O.
in the following week.

Crawford Nursery, Allvine Gardens,
Belfast. Antini. 10-3-11.*Im. minuscula* In cold house adjoining "Palm-house."

Sipulina octona In Palm House. } rather a plentiful one -
" " " " } from years.

Opea goddalli " " " " }
Limnaea peregrina In water butt in house adjoining Palm House.

" *turnastula* with *L. peregrina*.

Upper Colin Glen, Belfast, Antrim.

and + Rev. 18.3.11.

mainly about 400 - 500 feet alt.

Limonax arborum. There were large patches of *Fegatella conica* evidently eaten by this slug.

Agriolimax

" *laevis*. all rather pale.

Vitrina pellucida. The majority much smaller than in Crow Glen. See p. 219.

Hydrobia nitidula. Some very large dead shells, smaller ones common.

" *alluvina* Var. *viridula*, fine specimen, under the bark of fallen trees. Type under *Fegatella conica* on rock face just above "The Fall".

" *pura*. Very abundant + fine. all type.

" *radiatula*. the only, var. *r-alba*.

" *crystallina*. Two distinct forms, the larger one more transparent + greenish.

Eucornuta fulva. Common.

Helix aculeata. Rare

" *camellata*. Abundant in the upper reaches of the Glen.

" *rotundata*. Common.

" *limpida*. Abundant.

" *pusca*. Everywhere, but mostly dead.

" *nemorata*. Type + var. *rubella* ooooo.

Helix arborum. Two full grown specimens not far above the entrance at the bridge, taken by Prof. George Vaughan.

Col. lubrica.

Carychium

Papaglynda

" *anglica*. In upper reach of the Glen very common. Both pale + dark coloured varieties.

Sph. edentula. Abundant. Two forms.

Clausilia bidentata

Acicula lineata. Very common on right hand side of stream between "The Fall" + "The Gorge".

Limonax truncatula. In marsh near entrance above bridge.

Notice Mr. Welch on mossy bank was seen at bridge. Mr. Thompson record from Colin Glen for *Vertigo pusilla*. J. P. Hyndman also got it in the same neighbourhood at "Grogan's Glen" evidently the little Glen below Groganstown 12 miles from Colin. See p. 211.

Hillhall Glen, 1½ miles S. of Slumbo.
Down, AWS. 26-3-11

Limax arboreus
Agriol. agrestis
Arion suffusus
" *circumscriptus*
Vitrea pellucida
Hyalina cellaria A few dead shells.
" *alliana* Var. *viridula*.
" *pura*.
" *cystellina*
Helix rotundata
Boh. lubrica Greenish var.
Carych. min.
Clausilia bidentata
Anagyris flavicollis

Kinross, Holywood, Down, AWS & JBS.
27-3-11

Aplousia typica
Planorbis sparsus Mr. *leucostoma*.
" *unifilicosta*
Limnaea peregrina Mr. *acuminata*?

Limnaea truncatula
Pisidium

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1911
Easter Trip 1910. AWS. & F. Calverton.
Bray to Enniskerry, Wicklow. AWS. 30-3-11
Alt 10-250 feet.

Agriol. agrestis Common.
" *laevis* Very pale specimen in Enniskerry Woods.
Limax arboreus.
" *c-niger* juv. A small & slender slug in colour resembling
[Adult of *c-niger* *Agriol. laevis* but in shape nearer to
subsequently found *Limax tenellus*, with dark blue tentacles.
See! AWS.] In woods above Enniskerry.

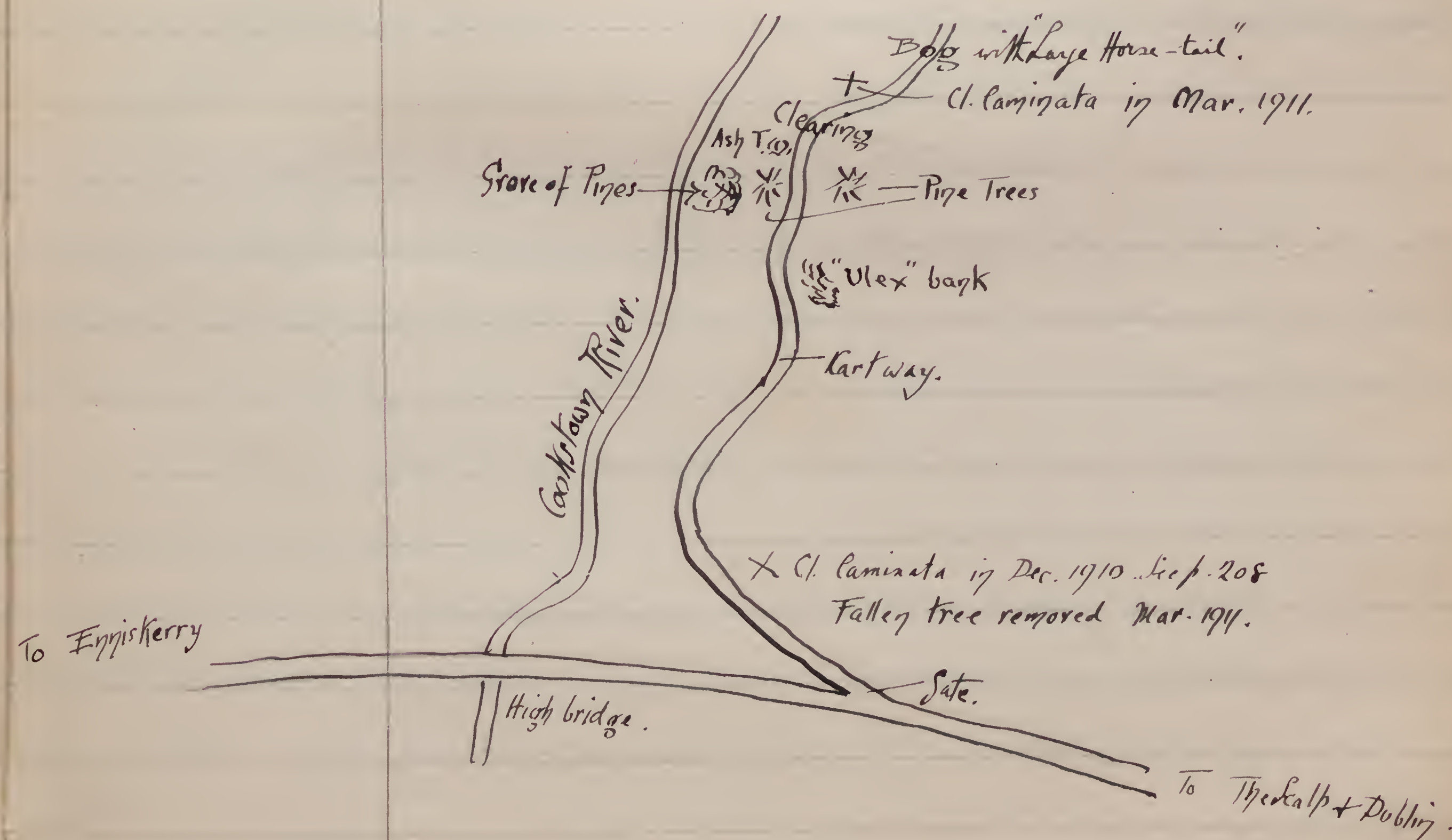
Milax sordida Very large & abundant by roadside near Bray.
Arion ater Mainly young & all specimen much striped.
" *suffusus* Enniskerry.
" *laticornis* Common.
" *circumscriptus* Common.
" *intermedia* Enniskerry woods, rare.
Vitrea pellucida Common dead.
Hyalina lucida Very common by roadside near Bray.
" *cellaria* Common.
" *alliana* Enniskerry.
" *nitidula* Not many means abundant.
" *pura* Enniskerry.

Bray & Enniskerry continued

- Hyalina cystellina* Common at Enniskerry.
 " *falsa* Enniskerry.
Helix pygmaea Enniskerry.
 " *livida* Common.
 " *rufescens* Common at Bray. (+ roadside above Enniskerry in 1st ap. 1911)
 " *aspera* Bray.
 " *remota* Common. Retilla ooooo in Enniskerry woods.
 " *lutea* Type dead in Enniskerry woods.
 " *retundata* Common.
 " *intersecta* Bray.
 " *lutea* "
 " *fuscata* In damp park road near Farnham.
Coch. lubrica Abundant.
Carychium minus Common.
Pupa anglica Local. Common in Enniskerry woods.
 " *cylindrica* Common.
Clausilia bidentata Common.
 " *laminata* Nine specimens in glen of the Corkstown Riv. above Enniskerry near spot where I took a single shell in Dec. 1910
 See pp. 208 + off.

- Eva obscura* Several dead in Enniskerry woods.
Lucina patina One dead in Enniskerry woods.
 NB. The shell in this district appears free of strange habits.
Acicula lineata Two specimens near Farnham. Probably common.
Lucina patina } F.B. Browne in Calary Bog at 925 ft. alt.
Pisidium }

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Lough Bray, Kippure District
Wicklow. Aug. 1-4-11.

Nothing found in L. Bray itself.

Arion intermedius Common up to 1525 feet.

" *circumscriptus* A few at 1200 feet.

Limax arvensis at 1525 feet.

Helix reticulata. The only species of shell seen. 1525 feet.

Time did not permit of the cliffs west of the lake being examined, but they did not look too promising. Aug. 1.

Glenmacnas at 700 ft. alt. Wicklow
Aug. 1-4-11

Agrio. apertus

Arion intermedius

" *circumscriptus*

Hyalina allicia

" *para*.

" *crystallina*

Helix reticulata

Should repay further work. The weather was cold & dry.

Derryfawn Woods near Larragh. Wicklow
alt. 410 feet. Aug. 1-4-11

Hyalina allicia

Zonitoides excavata

all var. *viridula*. First record for Wicklow, where the species was (according to Schauff) not to be found. Probably common at this (the right) season. Schauff always collected in the summer.

Limax arvensis

Helix reticulata

Glen at Copse House near Rathdrum
Wicklow. Aug. 2-4-11

Agrio. apertus

Hyalina para.

" *crystallina*.

" *fulva*.

Helix lamellata.

" *reticulata*.

" *nemoralis*.

Pupa anglica.

" *glabrata*.

Acicula lineata.

Should repay further work. 3/4 of a mile from Rathdrum on left of road to Glendalough.

Wicklow district. Aug. 2. 4. 11

Route followed Rathdu - Tullylish -
Castletimon Church, Mayhew, Wicklow
+

Agrio. apertus.

" *laevis*. Mayhew.

Arion ater

" *suffusus* Mayhew.

" *circumscriptus*

" *hortensis*

Melax. roushi Castletimon Church.

Vitricina pallidula

Hyalina cellaria.

" *nitidula* Castletimon Ch.

" *allearia* Tullylish Woods.

" *crystallina*

" *fulva*.

Helix aspersa. Mayhew.

" *nemoralis* "

" *pulchra*. "

" *hispida*. " + Castletimon

" *rufescens*. "

" *rotundata*.

Coch. lubrica.

Clavaria fidistata Mayhew.

Pupa cylindrica

Carychium mini

Pal. jenkinsi Taken in quantity by F. B. Brown in the
Broad Lough at Wicklow.

Aplecta Lyman Mayhew.

Planorbis spargi "

Pisidium " (280)

Valley below Railway Station at Rathdu
Wicklow. Aug. 3. 4. 11.

Agrio. apertus

Arion hortensis

" *intermedius*

Hyalina pura.

" *crystallina*

" *fulva*.

Helix rotundata

" *hispida*

" *lamellata*

" *hortensis*

In old scrub across river.

In ditch across river. Several types + one 00300
lipellata. The second first species of this kind from the area.

7 Sept. 1912

Rathdrum continued ...

Coel. labrica
Clausilia identata
Pupa cylindrica
Angla flavistella

South of Arklow. Wicklow.
 aed. 3. 4. 11

1. Marshy Pool 1 mile south of station.
2. Marsh north of Boundary Bridge.
3. Sand dune south of Arklow.

Agris. apertis 2.
Aris. hortensis 2.
" suffusa 2.
Hyalini alliani 2.
" cellaria 2.
Helix rotundata 2.
" pygmaea 2.
" nemoralis 2.
" aspersa 2 + 3
" italica 3
" pupa 3

Vertigo subtrita 2
" antitrutis 2.
Limnaea peregra 1, 2 + 3
" palustris 1, 2 + 3.
" truncatula 2.
Physa fontinalis 2.
Aplousia hypnorum 1, 2 + 3
Planorbis alternus 2 + 3
" fontana 2
" cristata 2 + 3
" spiralis 1, 2 + 3
Pisidium 1 + 2.

280A *missum* ?

North Arklow. Wicklow. Aug. 4. 4. 11

1. Mayhew dunes. See p. 232.
2. Brittas Bay Marsh.
3. Brittas Bridge Old Mill.
4. Kilcarra Woods near Worden Bridge.

Agrio. apertus.

" *laevis*. 3.

Milax pygmaea.

Arion ater

" *suffusus*

" *lutescens*

" *intermedius* 4.

" *circumscriptus*

Hyalina allaria 3.

" *allaria* 4.

" *nitidula* 4.

" *pura* 3 + 4.

" *radiatula* 4 (?)

" *crystallina* 3 + 4.

" *fulva*. 2.

Truncatella

4. (See remarks on p. 231) *Var. viridula*.

Ballycapple near Rathdrum. (passed on route to Mayhew)

Helix retundata

" *lamellata* 4.

" *purca*. 4.

" *nemorali* 2.

" *aspera*. 2.

" *itala* 2.

" *fulva*. 2.

" *intersecta* 2.

" *hipida* 2 + 3.

" *rufescens* 2.

" *pulchella* 2. In shell pocket.

Coch. lubrica. 2 + 3.


Carychium min. 2 + 3.

Pupa muscorum 2. In shell pockets.

" *cylindrica* 2 + 3.

Vertigo antevirens. 2.

" *pygmaea*. 2.

Clausilia pidentata 2 + 3. At Brittas Mill some very fat specimen, with purple lip & mouth were taken by me. Several of them had two teeth — 

Succinea putris 3 By the tail-race.

North Arklow continued -

Limnaea pumila
 " *palustris*
 " *truncatula* 2.
Physa fontinalis 2.
Aplousia hypnorum
Planorbis fontinalis
 " *cristata*
 " *spirorbis*
Valvata cristata
Sphaerium cornu
Pisidium

also one small *P. abbas*.

? from Britton Bay

281.

District North of Wexford Town.

ad. 5.4.11

1. St Clement's Church & pools near Carragheloe
2. Coast east of Carragheloe
3. Ruins of house between C. & Castlebridge
4. Environs of Castlebridge.

abundant with gale from east

North Wexford.

Limnaea arbutum 3.
 " *maxima* 3.
Physa rousseaui 3.
Aplousia apertus
 " *laevis* 4.
Anisus ater
 " *suffusus*
 " *intermedius* 3.
 " *hortensis* 4.
 " *circumscripta* 3+4.
Hydrobia lucida 4.
 " *cellaria* 3+4.
 " *nitidula* 3+4.
Helix pygmaea 4.
 " *retundata* 3+4.
 " *paleohella* 4. Dead.
 " *leopida* 3+4.
 " *capitata* 4.
 " *virgata* 2.
 " *palustris* 2.
 " *aspera* 1, 2, 3+4.
 " *remota* 1+4.
 " *hortensis* 1+3

North Sea find continued.

<i>Cochlicopa lubrica</i>	1, 3 + 4
<i>Carychi</i> minor	3 + 4.
<i>Clausilia pidentata</i>	3 + 4.
<i>Purpura glabra</i>	
<i>Vertigo pygmaea</i>	1.
" <i>antivertigo</i>	4.
<i>Succinea patina</i>	4.
<i>Limnaea puer</i>	1, 2, 3 + 4.
" <i>palustris</i>	1, 2 + 3.
" <i>truncatula</i>	3 + 4.
" <i>stagnalis</i>	First record for WX. Taken by J. Bayliss Brown in one of the many pools near Lough Dro north of Canaghacloe. Sep. 244.
<i>Aplecta hypnum</i>	4.
<i>Physa fontinalis</i>	2.
<i>Planorbis albus</i>	2. F.B.B.
" <i>spirorbis</i>	1 + 2.
" <i>crista</i>	2. F.B.B.
" <i>fontana</i>	2.
<i>Physa cornu</i>	2. F.B.B.
<i>Pal. jenkinsi</i>	4.

also
Pisidium
" subtruncat
" costatum
" pusillum
" obtusum
" personatum

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Bridgetown, Ballyteige Bay, Oxford
and. 6.4.11

<i>Limnaea</i> maxima
<i>Agriol. apertus</i>
" <i>lucida</i>
<i>Melampus</i> variegatus
<i>Arion</i> ater
" <i>intermedius</i>
" <i>hortensis</i>
" <i>circumscripta</i>
<i>Vitrina pellucida</i>
<i>Hydrobia ulterius</i>
" <i>alluvialis</i>
" <i>nitidula</i>
" <i>radialata</i>
" <i>cyathulata</i>
" <i>pulchra</i>
<i>Jon. nitida</i>
<i>Helix</i> pulchella
" <i>retundata</i>
" <i>lucida</i>
" <i>rufescens</i>
" <i>intermedia</i>
" <i>virgata</i>

1 dead specimen near Station

Bridgetown continued

Helix *palustris*
 " *nemoralis*
 " *aspera*
Coch. *lubrica*
Carychium *min.*
Pupa *glandum*
Vertigo *pygmaea*
Clausilia *pilicollis*
Balea *perversa*
Fucina *putris*
 " *pygmaea*
Limnaea *peruviana*
 " *auricularia*

Var. acuta. First record for W.X.
 Common in many pools west of
 station (1/4 mile & 1 mile)

" *palustris*
 " *truncatula*
Physa *fontinalis*
Asplenda *typica*
Planorbis *albus*
 " *spiralis*
 " *contorta*

Pal. *pinkisi*
Valvata *piscinalis*
Pisidium *milium*

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Doo Lough, Glen bogh near
 Wexford (7 miles N)
 a.s. 7.4.11

Limnaea *maxima*
Physa *aperta*
Arion *atra*
 " *intermedia*
Helix *nemoralis*
 " *rotundata*
 " *hispida*
Limnaea *stagnalis*

These are
 Helix nemoralis
 Glanville
 Kettle
 Helix

Taken in same lake as the J.B.B. took it
 on 5th inst. see p. 241. and also in a great
 deep "hole" further east. See map on
 next page.

Doo Lough continued.

Lima pum
" *palustri*

Pisidium casata

28 S

28 SA

? mark hole
Kettle Hole

probably the final moraine
of high sea glaciation

Kettle Holes.

L. Doo.

River Slane?

W. B.

Wexford Harbour

Near Macmini + Killarney, Slaney Valley
Wexford. a.s. 7.4.11

Lima arbutum

Apis. apertus

Arion ater

" *suffusus*

" *hortensis*

" *circumscripta*

Hyalina uella

" *crystallina*

Helix fusca

" *leipida*

" *memorata*

" *aculeata*

Pupa anglica

" *cylindrica*

Slaney District continued. a.s. + P. H. Phillips

8.4.11

Lima arbutum

" *maxima*

Apis. apertus

" *laevis*

Killarney Continued

*Arion ater**" asperum**" intermedius**" laticornis**" circumscriptus* = *fasciatus*.*Vitrea pellucida**Hyalina lucida**" cellaris**" nitidula**" alliana**" pura**" crystallina**" fulva**Jm. nitida**Helix retundata**" pulchella**" lamellata**" fusca**" hispida**" rufum**" nemoralis**" laticornis**" asperum*

By cottage on railway at Killarney Station

R.A.P. on var. *hybrida*.*Balea pumila**Coch. lubrica**Carychium mini**Clausilia identata**Pupa anglica**" cylindrica**Sph. edentula**Vertigo antistylis**Aene lineata**Angela fluvialis**Limnaea palustris**" truncatula**Succinea putres**" spiffeni**Pal. jenkinsi*

In moss in damp parts of Ry Cutting south of Killarney. Almost associated with *Pal. jenkinsi*. First record for Westford. With *A. lineata*.

Common on the wet faces of the rock in railway cutting south of Killarney with *A. fluvialis*.

Ardcaran, district north of Wexford Harbour
Wexford. ASD & R.A.P. 7.4.11

Limax maximus

" *arbutum*

Agriolimax agrestis

" *caeris*

Milax fagata. Flat colour.

" *ornata*. With very bright yellow spots.

Arion ater

" *suffusus*

" *intermedius*

" *hortensis* In graveyard.

" *circumscriptus*

Vitrina pellucida

Hydrobia edentula

Hyalina lucida Round old buildings by quays.

" *cellaria*

" *alliana*

" *nitidula*

" *radiatula*

" *crystallina*

Font. nitida

Helix pygmaea

Helix rotundata

" *pulchella*

" *lispida*

" *rufescens*

" *aspera*

" *nemorata*

" *barbata*

" *virgata*

" *capitata*

Coch. lubrica

Carychium

Pupa glabra

" *muscorum*

Vertigo pygmaea

" *antivertigo*

Clausilia bidentata

Succinea Pfeifferi

Lemnaea peruviana

" *auriculata*

" *truncatula*

Aplousia pygmaea

By the quays.

R.A.P.

Many dead in refuse from cleared drains

Andover, Weymouth continued.

Planorbis spiralis
Palustris pinnulata
Pal. pinnulata
" stagnalis
Pisidium

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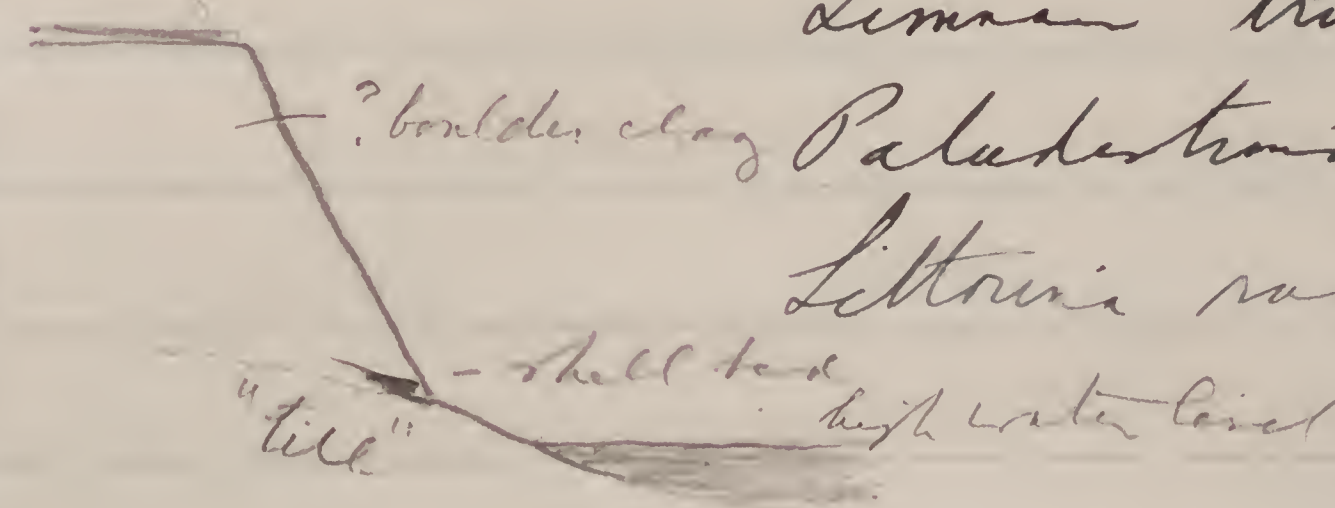
In the boulder clay cliff north of the
 ferry from Weymouth are numerous
 deposits with brackish water & land
 shells - such as one would expect to
 find in a "salt marsh". Whether these
 are pre-glacial, post-glacial or
 inter-glacial I cannot say.
 The deposits were first noticed some time
 ago by my friend R. A. Phillips.
 They may be due to the boulder-clay
 slipping over a marshy spot
 in recent times.

The following species were obtained from
 the deposit: -

Also

Hyalina cellaria
" nitidula
" radiatula
Helix hispida
" nemoralis
Coch. lubrica
Planorbis glaucus
" muscorum

Succinea Pfeifferi
Limnaea truncatula
Paludetronia stagnalis
Littorina radii



+ *Turricella* and *Litt. radii* (N.F.M. Milner
 29.8.1962).

Marsh south of Weymouth Town.

Aug. 10.4.11

Milax papata. First record for the county.
" sowerbyi
Agriol. agrestis
" laevis
Arion subopimus
" intermedius
" laticornis
" circumscriptus
Hyalina lucida
" cellaria
" nitidula

Type & whitish-green form.

Waterford Town continued.

Helix stans
 " *lispida*
 " *rufescens*
 " *hemorhoidalis*
 " *aspera*
 " *pulchella*
Coch. lubrica
Cyprina *mini*
Purp. cylindrica
Clausilia bidentata
Succinea putris
 " *psilifer*
Limnaea peregrina
 " *palustris*
 " *truncatula*
Physa fontinalis
Planorbis spirorbis
 " *umbilicata*
Bith. tentaculata
Pal. jenkinsi
 " *confusa*

Pisidium subtruncatum
 " *obtusale*
 " *nicitum*
 " *pusillum*

Very small pools, among reeds, covered
 at low tide (R.A.P. Latitot)

287
 Identified by B.B. Woodward
 in March 1898.

 Bank of River Suir near Grannyferry
 (Opp. Waterford Town). Kilkenny.

Aug. 10. 4. 11.

Limnaea stagnalis
 " *maxima*
Milax sowerbyi
Agrion agreste
 " *laevi*
Arion ater
 " *suffusus*
 " *intermedius*
 " *hortensis*
 " *circumscripta*
Hydrobia ulida
 " *cellaria*
 " *nitidula*
 " *nitida*
 " *pura*
 " *crystallina*
Helix stans
 " *lispida*
 " *rufescens*
 " *aspera*

Also in flood refuse in field.
Helix nitida
Pygmaea
Pulchella (type of A.S.K. 2) correct! A.S. 1924.
Vertigo antistylis
Pygmaea
nitida
Carychium minus
Purp. anglica

Liri Estuary continued

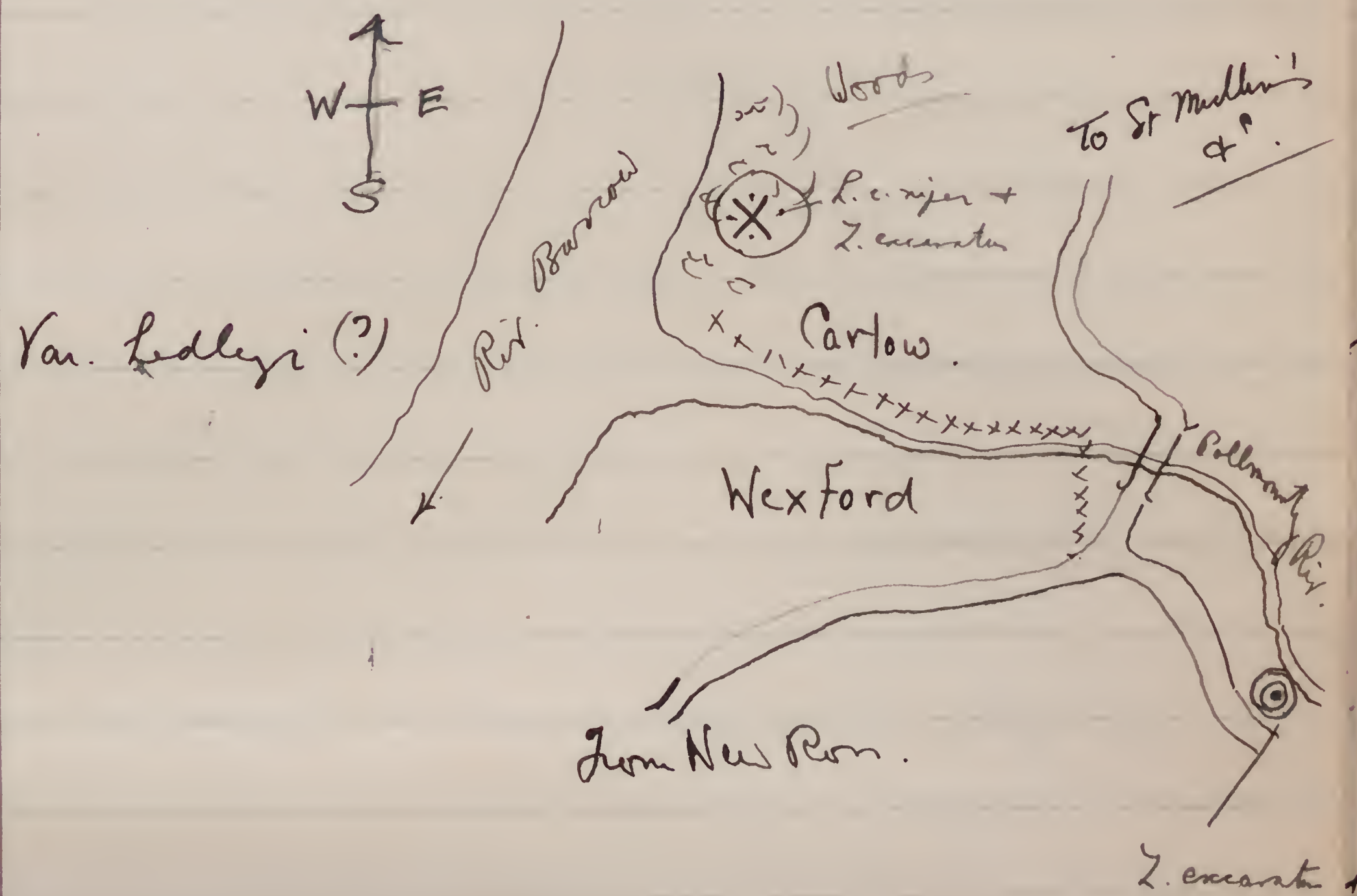
Helix rigata
" intermixta
" fustata
Coch. lubrica
Carychium min.
Campylodiscus + *P. angulata* Sep. 254
Clausilia bidentata
Vertigo antistylis + *V. substriata*
Succinea Pfeifferi + *V. pygmaea* Sep. 254.
Limnaea peregrina
" palustris
" truncatula
Aplousis hypnorum
Planorbis spirorbis
" amplicollis
Bitt. tentaculata
Pal. jenkinsi
Cisidina

Collected at Roslunon, opposite New Ross.
 11.4.11 Killenny
 and P.A.B.
Hy. crystallina
Helix limpidula
Succinea Pfeifferi
Planorbis armatus
Paludicola confusa

7/8/8

Woods near Pollnawaty (Barrow Valley) Carlow
 Aug. 11.4.11.

Agrio. aperta
" laevis
Limax urbanus
" maximus
" c. niger (?)
Arion ater
" saffordii
" intermedius
Vitrea pellucida
Hyalina cellaria
" alliaua
" nitidula
" radiatula
" pura
" crystallina
" fulva
For. excavata
Sph. edentata
Helix rotundata
" limpidula
" pulchella



Var. *vitrea*. First Carlow record. Taken in woods at (X).

Pollnourty, Carlow, continued.

Helix nemoralis
 " *aspera*.
Coch. lubrica
Carychium
Ancillula identata
Pupa cylindracea
Vertigo pygmaea
Succinea putris
 " *pfeifferi*
Limnaea peregrina
 " *palustris*
 " *truncatula*
Planorbis contorta Dead.
Pal. jenkinsi
Bitt. tentaculata Dead.

289

Pollnourty, Wexford. ad. 11.4.11

Agriol. aperta
Limnaea

Ancillula
 " *diffusa*
 " *intermedia*
 " *circumscripta*
Hyalina uellae
 " *nitidula*
 " *alliana*
 " *pura*
 " *crystallina*
 " *fulva*

Jm. excavata

Helix stundata

" *lipida*

" *refusa*

" *nemoralis*

Coch. lubrica

Carychium

Ancillula identata

Pupa cylindracea

Var. ^{vitrina} ~~reticulata~~. Taken along River Bank at (C)
 See p. 286.

Two miles north of ^{New Ross} ~~Wexford~~ (not at Pollnourty)

Ballinacorney, Vexford continued

Sph. edentula
Luccinea palustris
 " *officinalis*
Limnaea puzosii
 " *palustris*
 " *truncatula*
Pal. confusa Dead.
 " *gibberula* "
Bith. tentaculata

(290)

Bagenalstown Station, Carlow. A.S.

12.4.11

Aprio. apertus
Anis. ater
 " *lortensis*
 " *circumscriptus*
Hyalina cellaria
Helix italica
 " *stans*
 " *reflexa*
 " *remota*
 " *aspera*

Pupa glabra, *Vertigo pygmaea* & *A. pidentata*.

Borris Valley, St Mallin, - Borris, Carlow.
 A.S. 12.4.11.

Aprio. apertus
 " *laevis*
Limnaea
Anis. ater
 " *sulphurea*
 " *intermedia*

Hyalina lucida The dead shell - canal at Tinnahinch.
 Not recorded at Borris.

" *cellaria*
 " *nitidula*
 " *radiatula*
 " *pura*
 " *crystallina*
 " *fulva*

Im. nitida
Helix pygmaea
 " *stans*
 " *lamellata*
 " *pura*
 " *remota*
 " *aspera*

R.H.P.

Some reaped by R.H.P.

Barrow Valley, continued

Helix pulchella - Both *pulchella* & *caerulescens* occur in this day's collecting: probably they came from different places, as I collected in many places. A.S.S. 7/24.

capitata
itala
virgata
pubera } In quarry near Tinnahinch. R.H.P.

Coch. lubrica

Carychium

Pupa anglica R.H.P.

glindensis

Vertigo antiserotus

montana In R.H.P.'s habitat near Tinnahinch

substriata R.H.P.

Clausilia bidentata

Succinea patina

diffusa

Linnaea perna

auricularis

stagnalis

palustris

truncatula

Aplousis hypnum

Physa fontinalis

Angulus fluvialis

Planorbis carinatus

ambiguus

spiralis

alba

crista (?)

contorta

Bith. tentaculata

leachi

Valvata cristata

pinxian

Pal. confusa

Veritina fluv.

Gph. cornu

Pisidia

anthracina

concolor

Acicula lineata

Physa fontinalis

Physa fontinalis

Physa fontinalis

Physa fontinalis

Physa fontinalis

Physa fontinalis

Physa fontinalis

Physa fontinalis

Physa fontinalis

Physa fontinalis

Physa fontinalis

on the mt. of P. Walsh, who sent me the material. I have never seen it. A.W.S.

Dead - in drift. Just sent for Carlsw.

Common at Tinnahinch.

In millions in little pools on tow-path bank, covered at full tide, with minute fern of *Ph. spiralis* & *Pisidia*.

Common at St. Mullin on stone in river.

Gph. cornu & *Gph. lacustris* on Caddis-cases.

Pisidia (288) Bay tower, put with *Pal. confusa*.

(289) In River Barrow.

(290) Drift from old-clo.

(291) In wood near Bover.

In woods 1 mil. south of Tinnahinch. (Splendid ground) New River for Carlsw.

Royal Canal at Fern's Lock, Meath
 Aug. 13. 4. 11

Lima *maxima*
Aprio. apertus
Arion *ater*
 " *suffusus*
 " *hortensii*
Hyalina *cellaria*
 " *nitidula*
 " *crystallina*
Helix *retusata*
 " *hiopida*
 " *rufescens*
 " *nemorali*
 " *hortensii*
 " *aspera*
 " *itala*
Coch. *lubrica*
Clausilia *hiduata*
Lucina *psiffini*
Linnæa *paysoni*
 " *palustris*
 " *stagnalis*
 " *truncatula*

Amphi *glutinosa*
Physa *fontinalis*
Planorbis *contorta*
 " *carinata*
Valvata *crustata*
 " *procinale*
Bith. *tortuolata*
 " *leachii*

first count
 record

Vermetus *fluv.*

Sph. *cornea*
Pisidium *annua*

"

"

Fairly common ~~at~~ ^{below} Fern's Lock but
 appeared rarer above the lock. This is
 interesting as there is no sign of the
 shell at Mullingar - mile west
 on the same canal. *St. ovata* is
 common at Mullingar but none seen
 here. Where do the two species stop?
 On submerged stumps of lock.
 First count record.

292

Royal canal + neighborhood of Kilcock
& Maynooth. Kildare. Aug. 13. 4. 11

Agrio. apertus
Arion ater
" *suffusus*
" *hortensis*
Vitrea pellucida
Hyalina cristata
Helix rotundata
" *pulchella*
" *costata*
" *aspera*
" *hortensis*
Coch. lubrica
Pupa muscorum
Luccinea pfeifferi
Anphi. glutinosa
Limnæa peregrina
" *stagnalis*
" *palustris*
Physa fontinalis
Planorbis alternatus
" *carinata* In canal.

P. amplicollis

NB.

In ditch near Maynooth.
Saw no trace of *P. cornu* found here
by Capt. Thomas Brown = 1815(?), but the
habitat of *P. amplicollis* seemed
suitable of this species. It however
no doubt still occurs in the district
if properly looked for.

Both. tentaculata

" *leachi*

Valvata cristata

" *piscinalis*

Meretrix fluminalis. First found record. Common in submerged
stonework of the locks.

Sph. cornu

Pisidium amnicum

"

"

P. cornu was found by
me west of Maynooth, ME.
See vol. III.

293

Grand Canal, Dublin to Clondalkin
Dublin Aug. 14. 4. 11

Hydrobia ullovi
Helix aspersa
" *aspera*
Coel. lubrica
Luccinea patina
" *pfeifferi*
Limnaea peregrina
" *stagnalis*
" *palustris*
Physa fontinalis
Planorbis carinata
" *subtilis*
" *costata*
Bith. tentaculata
" *leachi*
Valvata cristata
" *piscinalis*
Phys. cornu
" *lanceolata*

Apparently common in a small pond near
Golden Bridge. On right of Canal descending.

Pisidium nitidum

"

(294)

The Great Tala of Fair Head, antrim
Aug + Oct. 16. 4. 11

Lima arborea
" *maxima*?
Agrio. apertus
Anion ater
" *suffusus*
" *intermedius*
" *circumscriptus*
Vetrumia pellucida
Hydrobia ullovi
" *alliarum*
" *nitidula*
" *para*
" *radiata*
" *crystallina*
" *petra*

Helix retundata
" *lispida*
" *nemorali*

" *arbutorum*
Coel. lubrica
Carychium

Several dead & 2 living at base of cliff among nettles.
about 1/2 way west of foot of Grey Man's Path.
Probably common all over tala.

Boo.

Acteocina lineata
Purpura cylindrica
Sp. edentata
+ *Clavella pidentata*

But rare.

Var. *levis*. Common on ground before.

Murlough Bay, Antrim. Aug. 17. 4. 11

Limax arboreus

" *maximus*

Agrio. agrestis

Arion ater

" *suffusus*

" *intermedius*

" *luteus*

" *circumscriptus*

Vitrea pellucida

Hyalina cellaria

" *alliarum*

" *nitidula*

" *pura*

" *crystallina*

" *fulva*

Helix rotundata

" *lucida*

" *nebulosa*

" *aspera*

" *arbutum*

Many dead - wood as usual. Common
alive, but all grey, on *Sinapis* *lypoides*
on chalk escarpment at about 500 ft alt.

also

Coch. lubrica

Carychium

Pupa cylindrica

" *anglica*. In wood.

Clavella pidentata

Balea pumila

Acicula lineata

Whitepark Bay, Antrim. Aug. 18. 4. 11

Agrio. agrestis

Arion ater

" *suffusus*

" *intermedius*

" *circumscriptus*

Vitrea pellucida

Hyalina cellaria

" *alliarum*

" *nitidula*

" *pura*

" *crystallina*

Helix rotundata

" *lucida*

" *itala*

" *virgata*

" *barbara*

" *pulex*

" *nebulosa*

" *aspera*

Coch. lubrica

Pupa cylindrica

Cl. pidentata

Near Ballinacorney

NB. Shell pockets not examined.

Giants' Causeway, Antrim, Aug 19.4.11

Limax maximus

" *arborum*

Agriolimax agrestis

Arion ater

" *suffusus*

" *intermedius*

" *circumscriptus*

Vertigo pullulata

Hydrobia ulterius

" *nitidula*

(var. *helmi* R. Helms)

" *para*

" *cyathellus*

" *fulva*

= *excentrica*! A.W.S. 1924.

Helix pomatia

" *leipidus*

" *retundata*

" *nemoralis*

Coch. lubrica

Carychium minimum

Physa edentula

Vertigo pygmaea

Physa anglica

" *glidiana*

Clausilia bidentata

Abundant under stones near high-water mark

at the Giants' Loom

Some var. *alba*.

Many white-tipped also Shepherds Path.

With *H. nemoralis*

Collected of roadside & shore at "Woturn", Mullin, Down. Aug. 23-4-4.

Limax maximus

Very fine & large.

Milax paganus

Arion ater

" *intermedius*

" *hastatus*

" *circumscriptus*

Hydrobia ulterius

Type + var.

Helix retundata

" *reflexa*

at base of "Woturn" wall.

" *pulchella*

" *aspera*

" *nemorale*

Coch. lubrica

Physa glidiana

Clausilia bidentata

Boleophthalmus

Very abundant & fine on all old walls.

Belvoir Park, Belfast, Down. Aug. 29.4.11

Limax maximus

Agriolimax agrestis

" *levis* (?)

Introduced (?) in hot houses.

Belvoir Park continued.

Arion ater" *lutescens*

" " (?) In Lot House. Grey pale striped slug.

" *circumscriptus**Hyalina lucida* several young - Lot-house. Introduced!" *cellaria*" *alliana*" *crystallina*" *fulva**Helix rotundata*" *lamellata* (1902) In damp woods.*Coch. lubrica**Subulina octona* In Lot House. Introduced!*Limnaea peregra*" *auricularia**Pl. albus*" *crinista*" *fontanus* (1900)*Bitt. tentaculata**Valvata cristata*" *pirinalis**Pl. cornu*

In 1899 I took two large
spec. of this sp. under a
stone 1/2 mile from water & one was alive.

Also *Pisidium milium*

"

"

(295)

Clay Lake, Delamont + Ardglann, Down. Aug. 6.5.11.

Clay Lake.

Limnaea stagnalis, *Agriol. agrestis*, *Arion ater*, *A. suffusus*, *A. lutescens*,
Hyalina cellaria, *Jon. nitida*, *Helix hispida*, *H. nemoralis* (D.),
H. rotundata, *Pupa cylindracea*, *Clausilia bidentata*, *Limnaea peregra*,
L. palustris, *Pl. albus*, *Pl. contorta*, *Valvata cristata*, *B. tentaculata*,
Ancylus lubricus, *Sphaerium cornu* + *Pisidium*

(296)

Ardglann.

Limnaea stagnalis, *L. flum.*, *A. agrestis*, *A. ater*, *suffusus*, *lutescens*,
V. pellucida, *H. cellaria*, *alliana*, *nitidula*, *H. rotundata*, *hispida*,
H. rufescens, *aspera*. *C. lubrica*, *P. cylindracea*, *C. bidentata*, *B. perversa*.

Delamont near Downpatrick.

A. agrestis, *A. ater*, *suffusus*, *lutescens*, *V. pellucida*, *H. cellaria*, *nitidula*,
H. rotundata, *rufescens*, *C. bidentata*.

Carr's Glen, Belfast, Antrim Aug. 10.5.11

Agriol. agrestis, *Arion ater*, *suffusus*, *lutescens*, *circumscriptus*,
V. pellucida, *H. cellaria*, *alliana*, *nitidula*, *pura*, *radiatula*,
H. crystallina, *Helix rotundata*, *hispida*, *nemoralis*,
H. asportum (about 100 yards above pond + waterfall), *C. lubrica*,
C. bidentata, *Pupa cylindracea*, + *Ancylus fluviatilis*.

The Green Lough near Carran Town
 ASD + RW. 12.5.11

Agrio. apertus

" *lunus*. First record for Carran.

Milax sordidus almost in town.

Arion suffusus

" *hortensis*

" *circumscriptus*

Hyalina cellaria

" *nitidula*

" *fulva*

Helix stans

" *supra* only seen in garden & ? in town.

" *aspera*

Coch. lubrica

Vertigo antevortice

Carychium

Succinea pfeifferi

Limnaea peregrina

" *stagnalis*

" *palustris*

" *transitula*

Physa fontinalis

Aplexa hypnorum

Austroba. laevis first record for Carran

Planorbis carinatus

" *rotax*

" *crista*

" *fontinalis*

" *altus*

" *contorta*

Valvata cristata

" *priscinalis*

Bith. tentaculata

Sph. cornu

Pisidium subtruncatum

(297)

The Green Lough & glen at Inlet of
 Lough, Carran. ASD + RW. 13.5.11

Agrio. apertus

Milax paxatos. Near ruined cottage.

Arion ater. Many almost pure white.

" *suffusus*

" *hortensis*

" *intermedia*

Caran continued.

Vithina pellucida
Hyalina cellaria

" *nitidula*

" *para.*

" *crystallina*

" *fulva.*

Helix rotundata

" *leipida* only seen in plen. Rare.

" *refusa* Garden of town only.

" *nemorata* V. rare.

" *aspera* about the town.

Carychium minus

Pupa cylindrica

Lim. pueya

" *stagnalis*

" *palustris*

" *truncatula*

Physa putrida

Planorbis alba

" *caninata*

" *fontana*

" *rotunda*

" *concolor*

Valvata piscinalis

" *crustata*

Bitt. tentaculata

Sph. cornu.

Pisidium milium

"

(298)

Farnham Woods, Caran, Aug 13-5-11

Agrius agrestis

" *laevis*

Limnaea arborum a very spotted form.

Arion ater

" *suffusus.*

" *intermedius*

" *laticornis* Rare.

" *circumscriptus*

Vithina pellucida

Hyalina cellaria

" *alliarum*

" *nitidula*

Farnham Wood continued.

*Hyalina pura**" radiatula**" cristallina**" fulva**Jon. nitida**Helix retundata**" fusca*

New record for Cam.

*" lamellata**" hispida*

Abundant.

" nemoralis

"ooooo, cartacea, tenuis" in wood. (R.W.)

*Coch. lubrica**Carychium**Sph. edentula**Pupa anglica*

The immature species.

*" cylindrica**Balea pumila*

(R.W.)

Classilia laminata

A commoner number.

*" viduata*Quite as common as *C. laminata**Lucina pulchra**" affinis**Limnaea pumila**" stagnalis**" palustris**L. palustris**Limnaea auricularia*. In Farnham Lake.*Physa fontinalis**Aplata hypnum**Planorbis nitens**" spiralis**" carinata**" alba**" contracta**Valvata piscinalis**Bith. tentaculata**Sph. cornu**Pisidium limosum**"**"**"**"**Andonta cygnea*

Millions of dead shells on bottom of Farnham Lake. None seen alive.

Shore of L. Oughter at Killybegs. A.S. & R.W. J.N.H.F.
Cavan. 13-5-11

Limnaea aspera

Agriolimax agrestis

Hyalina cellaria Re white specimen on opp. shore in woods.

" *alliana*

Helix rotundata

Anagallis flaviventris

Ancistrum locustum

Limnaea peregrina

" *palustris*

" *stagnalis*

Physa fontinalis

Planorbis rotunda

" *alba*

Valvata piscinalis

Bith. tentaculata

Pl. cornu

Anodonta cyanea

Unio

(300)

Collected upon the crannoge upon which is built
Clough Oughter Castle, Cavan. A.S. & R.W. J.N.H.F.
13-5-11

Anis Lottensis

" *circumscripta*

Agriolimax agrestis

Vitrea pellucida

Hyalina cellaria

" *alliana*

Helix rotundata

" *livida*

Clavella fidentata

Pupa cylindrica

Coch. lubrica

These shells in all probability
are their origin on this
artificial island to flood
hanging debris & casting
it upon the island.

Drumlane district, Cavan. A.S. & R.W. J.N.H.F.
14-5-11

1. Money bed chum

2. Drumlane. 3. Irishman

4. Derryhish Lough & drain.

Agriolimax agrestis 1 & 2.

Limnaea 1.

" *aspera* 1 & 2.

Dumblane continued.

<i>Milax pagator</i>	2.
<i>Arion ater</i>	1 + 2
" <i>sulphureus</i>	1 + 2
" <i>intermedius</i>	2
" <i>hortensis</i>	1 + 2
" <i>circumscriptus</i>	1 + 2.
<i>Vistula pellucida</i>	1
<i>Hyalina cellana</i>	1 + 2. From the Mung Church are suspicious specimens. It is little wonder that the earlier conchologists mixed the Irish form of <i>cellana</i> with <i>H. lucida</i> .
" <i>alliana</i>	1 + 2
" <i>nitidula</i>	1
" <i>pura</i>	1 + 2 (?)
" <i>radiatula</i>	1 + 2 (?)
" <i>crystallina</i>	
<i>Im. nitida</i>	2 + 3.
<i>Helix rotundata</i>	1 + 2.
" <i>lucida</i>	1 + 2. Very common. A nice form.
" <i>neorubi</i>	1 + 2. Mainly the "Toy" form, i.e. 1/23) 45.
" <i>arbutum</i>	A greyish purple-brown form

was found to be abundant in Mung
grave-yard. This spot appears to have
been a pagan "killen" before the
church was built. At this time
H. arbutum was probably widely
spread throughout Mung. Cultivation
has however told its tale.

<i>Coch. lubrica</i>	1 + 2
<i>Carychium</i>	1 + 2
<i>Pupa cylindrica</i>	1 + 2
<i>Vertigo pygmaea</i>	1 + 2
" <i>antivertigo</i>	2.
<i>Clavus</i>	1, 2 + 3.
<i>Succinea Pfeifferi</i>	2.
" <i>putris</i>	1. Common with <i>H. arbutum</i> .
<i>Limnaea peregrina</i>	4.
" <i>stagnalis</i>	4.
" <i>palustris</i>	4.
<i>Aplousia hypnorum</i>	4.
<i>Physa fontinalis</i>	4.
<i>Planorbis carinata</i>	4.
" <i>contorta</i>	4.

Drumlow continued

- Planorbis rotax* 4.
 " *fontana* 4.
Bitt. tentaculata 4.
Valvula cristata 4.
Sph. cornu 4. A nicely marked & very globular form contrasting greatly with the large oval shell from the Green Lough at Carran. (1) (1)

- Pisidium milium* 4
 " *suturatum* 4
 "
 "
 "

304
301

Torr Head, Antrim (B.N.F.C. Ex)
 Aug. 27. 5. 11

- Agrius apertus*
~~lamin~~
Arion rufus

- Helix stundata* Var. *alba*.
 " *nemorata* Some lovely delicately coloured young in hole (Heli - springs) of primitive limestone.
 " *arbutum* Common west of Torr Head at foot of small glen. Reported by Botanists to be abundant among alpine plants on the Chalk escarpment towards Grianan Mor.

- " *hispidus*
Coch. lubrica
Clavus *identical*
Aspa cylindrica

Knockduff⁽¹⁾ & Sallagh Braes⁽²⁾, Antrim
 Aug. 5, R.H., & B.A. Phillips.
 4. 6. 11.

- Agrius apertus*.
Limax arbutum (1) Var. *alpestris*.
Arion ater
 " *rufus* almost black (2)
 " *intermedius*

Knockduff & Pellaugh Bree continued.

*Arim Lortensis**" circumscripta**Vitrea pellucida**Hyalina alliana**" nitidula**" pura**" crystallina**Helix stansata**" rupestris**" hispida**" nemoralis**" arbustorum**Coch. lubrica**Pupa cylindrica**Clausilia bidentata**Limon perizon**" palustris**Pisidium sublineatum**"**"*

(2). In chalk when some water supply is found.

all young. Among nettles & lady-ferns

L. Duff.

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Portmore Lough & Church, Ballinderry, Antrim
A.S. 11.6.11.*Apis. apertus**" laevis**Arim ater**Hyalina alliana**" nitidula**C. fulvus**Jon. nitida**Helix nemoralis**Coch. lubrica**Pupa cylindrica**Clausilia bidentata**Bolea pumila**Succinea Pfeifferi**" patina**Limon perizon**" palustris**Boh. tentaculata**Ph. cornu**[Anodonta cyanea**Pisidium milium**"**"*End of long drought. Lake
nearly dry & unapproachable.

Dead.

One fine large shell in mud round lake & one
very small one in the dry church-yard.

Common on mud round lake.

young shells on fire, near Church, in field.

Not seen by me, but is common in the lake.

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B.N.

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